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57	BA41	EXISTING BP RAILING DETAILS 2 OF 2
	DATI	EXISTING DI NAILING DETAILO E OF E
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F0 00	TC4 TC34	TRAFFIC CONTROL DI ANI
59 - 92	TC1 - TC34	TRAFFIC CONTROL PLAN
93 - 101	DU1 - DU9	DETOUR PLAN
	1	

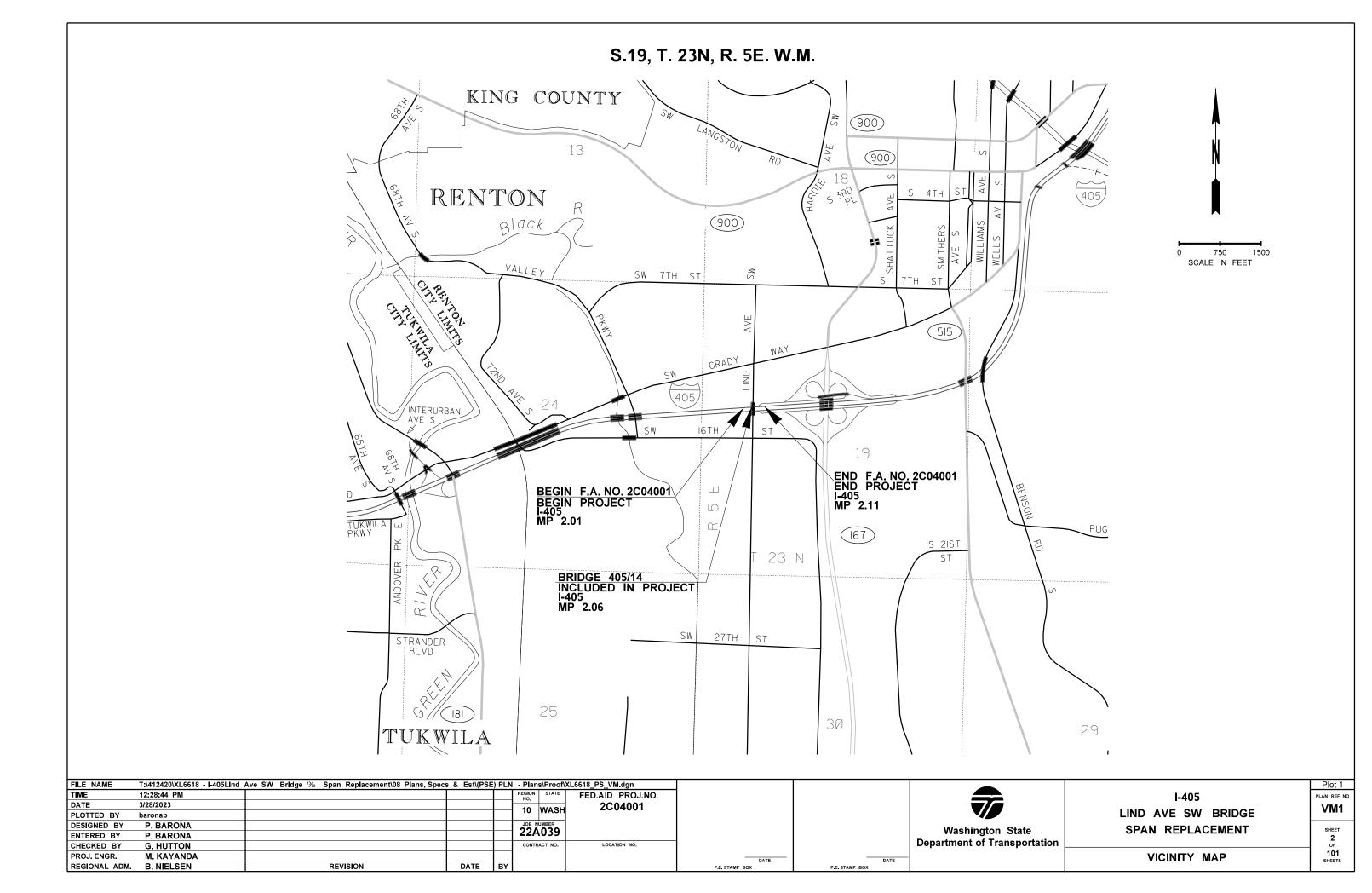
PLAN
REFERENCE
NO.
SHEET
OF
SHEETS

NOTE: ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

FILE NAME	T:\412420\XL6618 - I-405Lind	Ave SW	Bridge 13/32	Span	Replacement\08	Plans, Spec	s & Est\(PS	E) PLN	l - Plar	s\Proof\	XL6618_PS_IN.dgn
TIME	12:26:02 PM								REGION NO.	STATE	FED.AID PROJ.NO.
DATE	3/28/2023									WASH	2C04001
PLOTTED BY	baronap								יי ן	WASH	
DESIGNED BY	P. BARONA									IUMBER	
ENTERED BY	P. BARONA								224	1039	
CHECKED BY	G. HUTTON								CONTR	RACT NO.	LOCATION NO.
PROJ. ENGR.	M. KAYANDA										
REGIONAL ADM.	B. NIELSEN			RE\	VISION		DATE	BY			

		7
		Washington State Department of Transportation
DATE P.E. STAMP BOX	DATE P.E. STAMP BOX	

I-405 LIND AVE SW BRIDGE	PLAN REF NO
SPAN REPLACEMENT	SHEET 1 OF
INDEX	101 SHEETS



PROJECT LICENSED PROFESSIONAL CERTIFICATES

Masoud Kayanda	- Duf HDo	amy C. Leland	Mandar
Masoud Kayanda	DUKE H DO	Amy C Leland	Michael Rosa
Apr 10, 2023	Apr 5, 2023	Apr 5, 2023	Apr 5, 2023
AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
Dimeta Phillips			
Demetre Phillips			
Apr 5, 2023			
AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
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NOTES:

THIS PLAN SET WAS DEVELOPED ELECTRONICALLY UNDER THE DIRECT SUPERVISION OF THE LICENSED PROFESSIONALS THAT HAVE AFFIXED THEIR SIGNATURE TO THIS PAGE.

THIS SHEET SERVES AS THE CERTIFICATION BY THE ABOVE LICENSED PROFESSIONALS OF ALL SHEETS IN THIS PLAN SET WHERE THEIR STAMPS AND SIGNATURES APPEAR.

FILE NAME	T:\412420\XL6618 - I-405LInd /	Ave SW Bridge 13/32 Span Replacement\08 Plans, Spec	s & Est\(PSI	E) PLN	N - Plans∖Proof	XL6618_PS_CT.dgn					
TIME	1:48:16 PM				REGION STATE	FED.AID PROJ.NO.	1			I-405	PLAN REF NO
DATE	3/29/2023				10 WASH	-					CT1
PLOTTED BY	baronap				T TO WASE	1				LIND AVE SW BRIDGE	"
DESIGNED BY	P. SCHNEIDER				22A039	1			Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				22AU39						3
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.	1		Department of Transportation	<u> </u>	OF
PROJ. ENGR.	M. KAYANDA						DATE	DATE		CERTIFICATION SHEET	101 SHEETS
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX		OLKINIOATION SHEET	SHEETS

SUMMARY OF QUANTITIES

	Ī	OUD TOTAL	OUD TOTAL				1			1	1	1				1		1		
		SUB-TOTAL	SUB-TOTAL				GROUP 1	GROUP 2												
ITEM	TOTAL	SECTION	SECTION	STD.			PRIDCE	THIRD												
NO		I-07.2(1)	1-07.2(2)	ITEM	UNIT	ITEM	BRIDGE 405/14	PARTY												
	QUANTITY	OF	OF	NO.			LIND AVE	DAMAGE												
		STANDARD	STANDARD				SW													
		SPECS	SPECS																	
						PREPARATION														
1 1	LUMP SUM		LUMP SUM	0001	L.S.	MOBILIZATION	L.S.	1		1 1							1			
2	LUMP SUM		LUMP SUM	1 0035	L.S.	CLEARING AND GRUBBING	L.S.	i	İ	i i	i	i	i			İ	i	i i	, ,	i
3	2.00	İ	2.00	-		REMOVING DRAINAGE STRUCTURE	2.00	<u> </u>	l 		i	i	i			i	İ			<u> </u>
	LUMP SUM	l				REMOVING PORTION OF EXISTING BRIDGE	L.S.	! 	! 	<u> </u>	<u> </u>	1	<u> </u>			<u> </u> 	1	<u> </u>		<u> </u>
4							111	<u> </u>	<u> </u>			+				<u> </u>				
5	3451.00		3451.00	-		REMOVING PLASTIC LINE	3,451.00	!		! !	<u> </u>	<u>.</u>	!			!				!!
6	0.70		0.70	0208	HUND	REMOVING RAISED PAVEMENT MARKER	0.70													
						GRADING						1								<u> </u>
7	39.00		39.00	0332	S.Y.	PAVEMENT REPAIR EXCAVATION INCL. HAUL	39.00	1								1				1
i		ĺ		i i			ĺĺ	ĺ	ĺ	i i	İ	İ	ĺ			ĺ	İ	ĺ		i i
i						DRAINAGE	, 	İ	i I	<u> </u>	<u> </u>	i	i			i	i		, 	i
8	2.00	<u>. </u>	2.00	11053	FACH	GRATE INLET TYPE 1	2.00	<u>'</u> I	<u>. </u>	<u> </u>	<u> </u>	1	i I			1		<u> </u>		<u> </u>
"	۱ ۷۰۰۷	<u> </u>	2.00	1000	LAUIT] <u> </u>	l I	<u> </u> 	<u>. </u>	<u> </u>	1	1		1	1	1	I I		<u> </u>
<u> </u>		<u> </u>		<u> </u>		I WATER LINES]	<u> </u>	<u> </u>	<u>. </u>	<u> </u>	1	<u> </u>			<u> </u>	1	<u> </u>		<u> </u>
<u> </u>		<u> </u>		1		WATER LINES	!!	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>!</u>			<u>!</u>	<u> </u>			<u>. </u>
9	1.00		1.00	6165	EACH	GATE VALVE 12 IN.	1.00													
10	170.00		170.00	3869	L.F.	DUCTILE IRON PIPE FOR WATER MAIN 12 IN. DIAM.	170.00													
11	2.00		2.00		EACH	RECONNECTION TO EXISITNG WATER MAIN	2.00	1				1					[1
12	2.00	l	2.00		EACH	TEMP. CUT AND CAP EXISTING WATER MAIN & CONCRETE BLOCKS	2.00	ĺ	ĺ	i i	İ	İ	İ			İ	Ī	İ	i	ĺ
13	170.00	<u> </u>	170.00	i		REMOVAL OF EXISTING WATER MAIN	170.00	i		<u>. </u>	i	i	i			İ	i	i i	i	<u>. </u>
1		l		1 1			, <u> </u>	i		i	i	i	i			1	i	, 		
-		l I				STRUCTURE]	! !	! !	<u> </u>	1	<u> </u>	1			<u> </u> 	1	<u> </u>		<u> </u>
			110.00	1 4000	0.1/			<u> </u>	<u> </u> 	<u> </u>		1				<u> </u>	1	<u> </u>		
14	140.00		140.00	4006		STRUCTURE EXCAVATION CLASS A INCL. HAUL	140.00	<u> </u>	<u> </u>	<u> </u>		<u> </u>	<u> </u>			<u> </u>				<u> </u>
15	LUMP SUM		LUMP SUM	-		SHORING OR EXTRA EXCAVATION CL. A 405/14	L.S.													
16	-1.00		-1.00			DEFICIENT STRENGTH CONC. PRICE ADJUSTMENT	-1.00													
17	877.00		877.00	4269	L.F.	PRESTRESSED CONC. GIRDER WF74G	877.00													
18	1882.00		1882.00	4286	LB.	STRUCTURAL CARBON STEEL - SUPERSTR.	1,882.00	1		1		1					1			1
19	LUMP SUM		LUMP SUM	4300	L.S.	SUPERSTRUCTURE - BRIDGE NO. 405/14 REPAIR	L.S.	1									1			
20	246.00		246.00			TRAFFIC BARRIER	246.00	ĺ	ĺ	i i		İ	İ			İ	İ	İ	,	i i
21	144.00		144.00	5656		BRIDGE APPROACH SLAB	144.00	i	! 	i i	i	i	i			i	i	i i	; ;	<u> </u>
\ <u></u>	144.00	1		1 1	0] <u> </u>	! 	<u> </u> 	<u> </u>		1	1			i i	1	 		
-		l		1		CHREACING]	! !	l I	<u> </u>	1	<u> </u>	1			<u> </u>	1] 		<u> </u>
1		<u> </u>	2.00	1 5400	TON	SURFACING LODUCUED CUREACING DAGE COURSE		<u> </u>	<u> </u> 	<u> </u>		1	1			1	1	<u> </u>		
22	3.00	<u> </u>	3.00	5100	ION	CRUSHED SURFACING BASE COURSE	3.00	<u> </u>	<u> </u>	<u> </u>		<u> </u>	<u> </u>			<u> </u>	1	<u> </u>		<u> </u>
<u> </u>		<u> </u>		<u> </u>			!!	<u>!</u>	<u> </u>	<u> </u>	!	_!	<u>!</u>				1			<u> </u>
<u> </u>						HOT MIX ASPHALT]	<u> </u>	<u> </u>	<u> </u>			<u> </u>				<u> </u>			
23	540.00		540.00			PLANING BITUMINOUS PAVEMENT	540.00													
24	11.00		11.00	5739	TON	HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 58H-22	11.00	<u> </u>	<u> </u>	<u> </u>		<u> </u>	<u> </u>				<u> </u>	<u> </u>		<u> </u>
25	60.00		60.00	5767	TON	HMA CL. 1/2 IN. PG 58H-22	60.00	1					1				1			
26	1440.00	i i	1440.00	5830		JOB MIX COMPLIANCE PRICE ADJUSTMENT	1,440.00	I		į i	i	i						İ	i	į i
27	1440.00	<u>. </u>	1440.00			COMPACTION PRICE ADJUSTMENT	1,440.00	İ	i İ	<u> </u>	i	i	i			i	İ		-	i
		<u> </u>						! 	! 	<u> </u>	<u> </u> 	<u> </u>	1			1	1	<u> </u>		<u> </u>
28	136.00	<u> </u>	136.00			ASPHALT COST PRICE ADJUSTMENT	136.00	<u> </u>	<u> </u> 	<u> </u>		1	1			1	1	<u> </u> 		<u> </u>
29	50.00	<u> </u>				HMA SAWCUT AND SEAL	50.00	<u> </u>	<u> </u>	<u> </u>		1	<u> </u>			<u> </u>	1	<u> </u>		<u> </u>
30	-1.00	<u> </u>	-1.00			SMOOTHNESS COMPLIANCE ADJUSTMENT	-1.00	!	<u> </u>	<u>. </u>	<u> </u>	_!	<u>!</u>			!	!			<u> </u>
31	-1.00		-1.00	7732	DOL	AGGREGATE COMPLIANCE PRICE ADJUSTMENT	-1.00													
				<u> </u>]			<u> </u>				 						
						EROSION CONTROL AND ROADSIDE PLANTING				<u></u>										<u></u>
32	14.00		14.00	6403	DAY	ESC LEAD	14.00	1	1		i		1			1	1	ı İ	- i	
33	100.00		100.00			STREET CLEANING	100.00	İ	İ	. i	i	i	i			İ	i		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	i
						*						•								

GROUP	GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
LEGEND	1	405	174311	**	FEDERAL
	2	405	174311	**	STATE

	1-405	REGION	STATE	FEDERAL AID PROJECT. NO.		1.405	SQ1
		10	10/0	2C04001		I-405	ું ઉદ્યા
		10	WA		Washington State	LIND AVE SW BRIDGE	SHEET
		JOB NU			Department of Transportation	SPAN REPLACEMENT	4
		22A0	039		Department of Transportation		OF
		CONTRA	ACT NO			SUMMARY OF QUANTITIES	101
DATE	REVISION	Υ					SHEETS

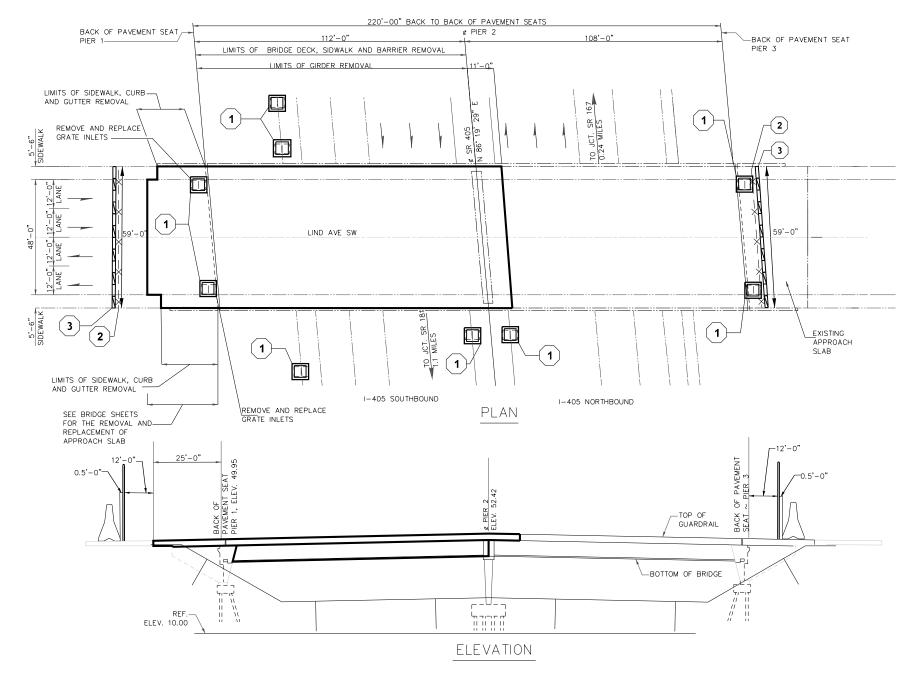
SUMMARY OF QUANTITIES

		SUB-ŢOTAL	SUB-TOTAL				GROUP 1	GROUP 2										
		*					GROOF I	GROOF 2			1				-			
ITEM NO	TOTAL	SECTION I-07.2(1)	SECTION I-07.2(2)	STD. ITEM	UNIT	ITEM	BRIDGE	THIRD									l	ı I
140	QUANTITY	OF	OF	NO.	OIVIII	TT LIVI	405/14 LIND AVE	PARTY DAMAGE									l	ı l
		STANDARD	STANDARD				SW										l	ı l
		SPECS	SPECS															
34	9.00		9.00	6471		INLET PROTECTION	9.00	<u> </u>								1		<u>. </u>
35	10000.00		10000.00	6490	DOL	EROSION/WATER POLLUTION CONTROL	10,000.00											<u>. </u>
36	465.00		465.00	6431	S.Y.	SEEDING, FERTILIZING AND MULCHING	465.00											
37	465.00		465.00	6483	S.Y.	FINE COMPOST	465.00									1		<u> </u>
			1				J [1		1						1		<u> </u>
						TRAFFIC		1								1		
38	118.00		118.00	6781	L.F.	TEMPORARY BARRIER	118.00	1										
39	1166.00		1166.00	7448	HR	TRANSPORTABLE ATTENUATOR	1,166.00	1		1		1				1		<u> </u>
40	16000.00		16000.00	7450	DOL	REPAIR TRANSPORTABLE ATTENUATOR	16,000.00	1		1						1		<u> </u>
41	4840.00		4840.00	6809	L.F.	PROFILED PLASTIC LINE	4,840.00	1		1		1				1		<u> </u>
42	1.00		1.00	6833	EACH	PLASTIC TRAFFIC ARROW	1.00	1		1		1				1		<u> </u>
43	48.00		48.00	6845	L.F.	PROFILED PLASTIC WIDE LINE	48.00	1										
44	8.00		8.00	6881	EACH	PLASTIC DRAINAGE MARKING	8.00	1								1		
45	0.70		0.70	6884	HUND	RAISED PAVEMENT MARKER TYPE 2	0.70									1		
46	LUMP SUM		LUMP SUM	6890	L.S.	PERMANENT SIGNING	L.S.	1								1		
47	LUMP SUM		LUMP SUM	6899	L.S.	BRIDGE MOUNTED SIGN BRACKET NO. 1	L.S.	1								1		
48	LUMP SUM		LUMP SUM	6904	L.S.	ILLUMINATION SYSTEM	L.S.	1								1		
49	2.00		2.00		EACH	FIBER INSTALL AND FIBER SPLICING	2.00	1		1		[1	ĺ		
50	444.00		444.00	6947	L.F.	CONDUIT PIPE 3 IN. DIAM.	444.00	1		1		1 1				[i I
51	888.00		888.00	6949	L.F.	CONDUIT PIPE 4 IN. DIAM.	888.00									[1
52	2880.00		2880.00	6956	HR	SEQUENTIAL ARROW SIGN	2,880.00	1		1		1				1		$\overline{1}$
53	LUMP SUM		LUMP SUM	6973	L.S.	OTHER TEMPORARY TRAFFIC CONTROL DEVICES	L.S.	1		1		1				1		i I
54	LUMP SUM		LUMP SUM	6974	L.S.	TRAFFIC CONTROL SUPERVISOR	L.S.	1		1						1		$\overline{1}$
55	9318.00		9318.00	6993	HR	PORTABLE CHANGEABLE MESSAGE SIGN	9,318.00	1		1						1		
56	3805.00		3805.00	6992	HR	OTHER TRAFFIC CONTROL LABOR	3,805.00	1								1		
57	30000.00		30000.00	7572	DOL	WORK ZONE SAFETY CONTINGENCY	30,000.00	1								1		
58	337.00		337.00	6982	S.F.	CONSTRUCTION SIGNS CLASS A	337.00	1								1		
59	100.00		100.00	6976	HR	PATROL AND MAINTAIN TRAFFIC CONTROL MEASURES	100.00	1								1		
60	437.00		437.00		HR	CONTRACTOR PROVIDED UNIFORMED OFFICER	437.00	1										
61	LUMP SUM		LUMP SUM		L.S.	EXISTING TRAFFIC CONTROL DEVICES	L.S.	1										
][
						OTHER ITEMS][
62	11.00		11.00	7006	C.Y.	STRUCTURE EXCAVATION CLASS B INCL. HAUL	11.00	1				1						Ī
63	LUMP SUM		LUMP SUM	7037	L.S.	STRUCTURE SURVEYING	L.S.	1		1						1		<u>. </u>
64	2.00	<u> </u>	2.00	9605	EACH	CONNECTION TO DRAINAGE STRUCTURE	2.00											
65	LUMP SUM		LUMP SUM		L.S.	REFERENCING EXISTING PAVEMENT MARKINGS	L.S.	1	1	1						1		<u>. </u>
66	5000.00	1	5000.00	7715	DOL	FORCE ACCOUNT MISC. MINOR ELECTRICAL REPAIR	5,000.00			1		1						<u> </u>
67	7000.00	1	7000.00	7715	DOL	FORCE ACCOUNT MISCELLANEOUS DRAINAGE	7,000.00					1						<u> </u>
68	6000.00	1	6000.00	7480	DOL	ROADSIDE CLEANUP	6,000.00											
69	5.00	1	5.00	7725	DOL	REIMBURSEMENT FOR THIRD PARTY DAMAGE][5.00										$\overline{1}$
70	-1.00	1	-1.00	7728	DOL	MINOR CHANGE	-1.00											<u> </u>
71	LUMP SUM		LUMP SUM	7736	L.S.	SPCC PLAN	L.S.											<u>_</u>
72	118.00		118.00		L.F.	TEMPORARY CONSTRUCTION FENCE	118.00											
][

GROUP	GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
LEGEND	1	405	174311	**	FEDERAL
	2	405	174311	**	STATE

	1-405	REGIC	N STATE	FEDERAL AID PROJECT. NO.		1.405	SQ2
		10	WA	2C04001		I-405	SUZ
			VVA		Washington State	LIND AVE SW BRIDGE SPAN REPLACEMENT	SHEET
		I	NUMBER		Department of Transportation		5
		22	A039		Department of Transportation		OF
		CON	TRACT NO			SUMMARY OF QUANTITIES	101
DATE	REVISION	BY					SHEETS

SEC. 19, T.23N., R.05E., W.M. KING COUNTY



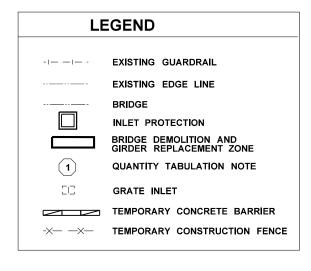
NOT TO SCALE

QUANTITIES:

CODE NUMBER	ITEM TYPE	QUANTITY
1)	INLET PROTECTION	9 EA
2	TEMPORARY CONSTRUCTION FENCE	118 L.F.
3	TEMPORARY CONCRETE BARRIER	118 L.F.

CONSTRUCTION NOTES:

- 1. FOR REMOVAL ITEMS, SEE DETAILS ON BRIDGE SHEETS.
- 2. TEMPORARY CONSTRUCTION FENCE SHALL HAVE A MINIMUM HEIGHT OF 5'.



FILE NAME	T:\412420\XL6618 - I-405Lind	Ave SW	Bridge 13/32	Span	Replacement\08	Plans, Spec	s & Est\(PS	E) PLN	l - Plar	ıs\Proof\	XL6618_PS_SP.dgn
TIME	4:29:52 PM								REGION NO.	STATE	FED.AID PROJ.NO.
DATE	3/28/2023								10	WASH	
PLOTTED BY	baronap								יי ן	WASH	
DESIGNED BY	P. BARONA									NUMBER 1039	
ENTERED BY	P. BARONA								221	1039	
CHECKED BY	G. HUTTON								CONT	RACT NO.	LOCATION NO.
PROJ. ENGR.	M. KAYANDA		-		-	-			1		
REGIONAL ADM.	B. NIELSEN			REV	ISION		DATE	BY	1		



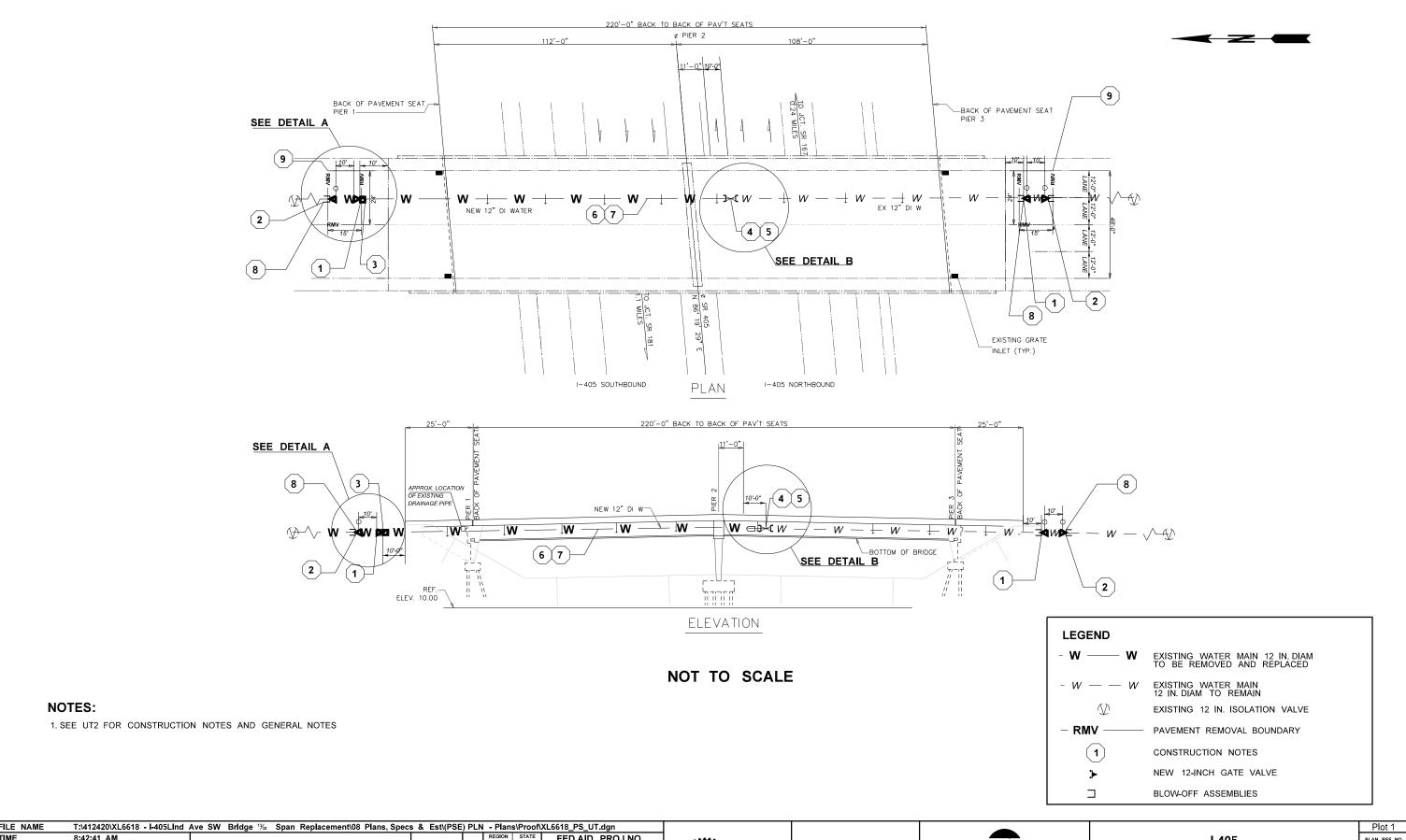


	Į.	405		
LIND	AVE	SW	BRIDGE	
SPA	N RE	PLAC	EMENT	

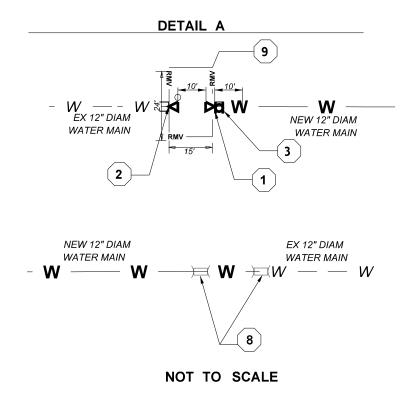
Plot 1
PLAN REF NO
SP1

101 SHEETS

SITE PREPARATION PLAN



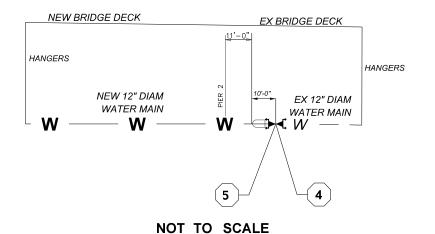
FILE NAME	T:\412420\XL6618 - I-405Lind	Ave SW Bridge 1/32 Span Replacement\08 Plans, Spec	s & Est\(PSE	E) PLN - Plans\Proof\	XL6618_PS_UT.dgn					Plot 1
TIME	8:42:41 AM			REGION STATE	FED.AID PROJ.NO.	F.KAP			I-405	PLAN REF NO
DATE	4/3/2023			10 WASH		TASHIA				UT1
PLOTTED BY	huttong			I IU WASH					LIND AVE SW BRIDGE	
DESIGNED BY	P.BARONA			22A039		(Lizza Elimber)		Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P.BARONA			22AU39		49926 38 /88		_	OI AIT INEI EAGEMENT	7
CHECKED BY	G.HUTTON			CONTRACT NO.	LOCATION NO.	201516 HG		Department of Transportation		OF
PROJ. ENGR.	M.KAYANDA					SEE SHEET CT1	DATE		UTILITY PLAN	101 SHEETS
REGIONAL ADM.	B.NIELSEN	REVISION	DATE	BY		P.E. STAMP BOX	P.E. STAMP BOX			SHEETS



CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL CUT AND CAP EXISTING 12-INCH WATER MAIN, INSTALL TWO END CAPS WITH 2-INCH BLOW-OFF ASSEMBLIES, AND TEMPORARY CONCRETE BLOCKING FOR EXISTING WATER MAIN.
- THE CITY OF RENTON TO CUT AND CAP EXISTING 12-INCH WATER MAIN, INSTALL TWO END CAP WITH 2-INCH BLOW-OFF ASSEMBLIES, AND TEMPORARY CONCRETE BLOCKING FOR EXISTING WATER MAIN.
- (3) THE CONTRACTOR SHALL INSTALL 12-INCH "POLYPIGGING STATION" PER CITY OF RENTON STANDARD PLAN NO.300.7.
- (4) THE CONTRACTOR SHALL CUT EXISTING 12-INCH WATER MAIN AND INSTALL NEW 12-INCH GATE VALVE RJXRJ (CLOSED POSITION).
- 5 THE CONTRACTOR SHALL INSTALL NEW 12 INCH WATER MAIN FROM NEW GATE VALVE AND INSERT 12 INCH POLYPIG IN NEW 12 INCH WATER MAIN.
- 6 THE CONTRACTOR SHALL REMOVE APPROX. 170-FEET OF EXISTING 12-INCH WATER MAIN. AFTER INSTALLATION OF NEW GIRDERS AND CONSTRUCTION OF NEW BRIDGE DECK, THE CONTRACTOR SHALL INSTALL APPROX. 170-FEET OF NEW 12-INCH WATER MAIN.
- 7 THE CONTRACTOR SHALL PERFORM PRESSURE AND PURITY TEST FROM THE NORTH END CAP BLOW-OFF VALVE TO THE NEW 12-INCH GATE VALVE (CLOSED POSITION).
- (8) THE CITY OF RENTON SHALL PLACE FINAL CONNECTION WITH 2-12 INCH SLEEVES (RESTRAINED JOINTS).
- 9 TRENCH EXCAVATION FOR THE WATER MAIN INSTALLATION AND TESTING SHALL FOLLOW CITY OF RENTON STD PLANS 110 AND 110.1.

DETAIL B



NOTES:

- 1. ALL NEW WATER MAIN PIPES SHALL BE RESTRAINED-JOINT CLASS 52 DUCTILE IRON.
- 2. NOTIFY CITY OF RENTON FIVE (5) WORKING DAYS IN ADVANCE OF REQUIRING SHUTTING DOWN OF WATER MAIN, REMOVAL AND RECONNECTION WORK.
- 3. ONLY CITY OF RENTON EMPLOYEE MAY OPERATE THE CITY VALVES. PRESSURE AND PURITY TEST SHALL BE OBSERVED BY THE CITY RENTON EMPLOYEE.
- 4. SAMPLING FOR PURITY TEST SHALL BE PERFORMED OR OBSERVED BY CITY OF RENTON EMPLOYEE.
- 5. FOR ADDITIONAL PRESSURE AND PURITY TESTING REQUIREMENTS, SEE SPECIAL PROVISIONS.
- 6. THE VALVES UNDER DETAIL B CAN ONLY BE ACTUATED BENEATH THE BRIDGE STRUCTURE.

FILE NAME	T:\412420\XL6618 - I-405LInd .	Ave SW Bridge 13/32	Span Replacement\08	Plans, Specs	s & Est\(PSE) PLN	l - Plan	s\Proof\	XL6618_PS_UT.dgn
TIME	8:42:41 AM						REGION NO.	STATE	FED.AID PROJ.NO.
DATE	4/3/2023						10	WASH	
PLOTTED BY	huttong						''	WASH	
DESIGNED BY	P.BARONA							UMBER 039	
ENTERED BY	P.BARONA						225	1039	
CHECKED BY	G.HUTTON						CONTR	ACT NO.	LOCATION NO.
PROJ. ENGR.	M.KAYANDA								
REGIONAL ADM.	B.NIELSEN		REVISION		DATE	BY			





I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT

UTILITY PLAN

SHEET

8

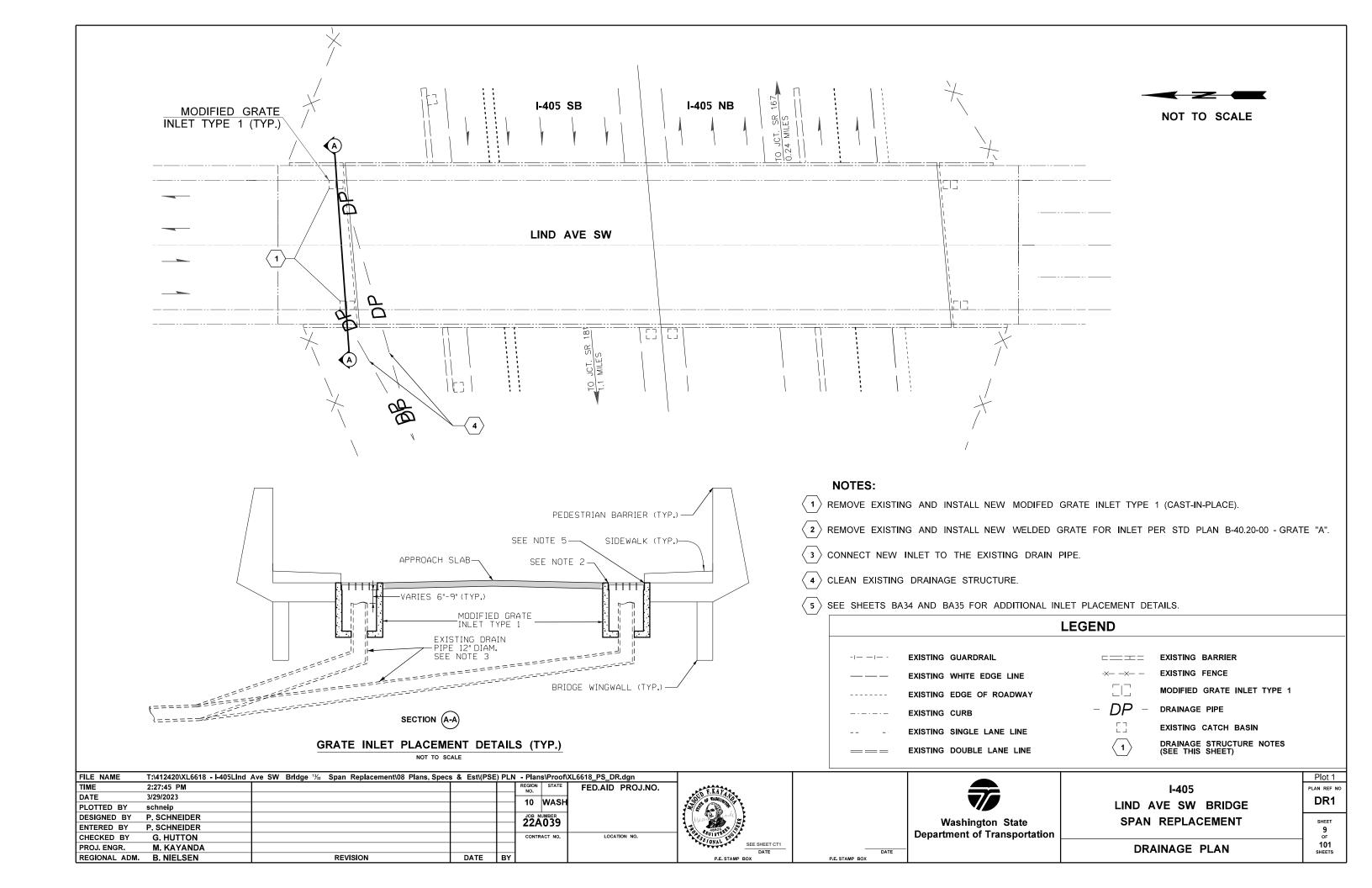
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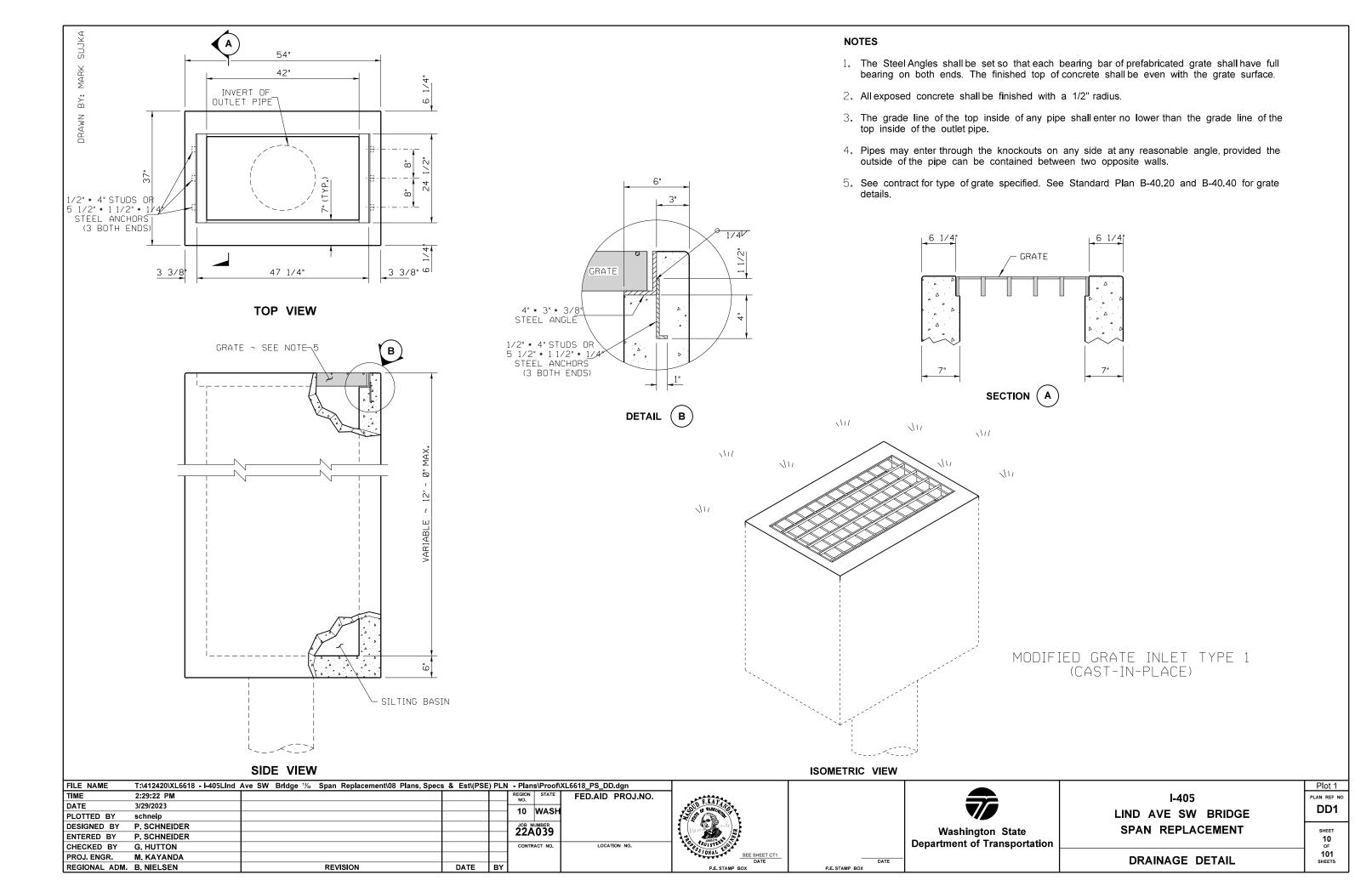
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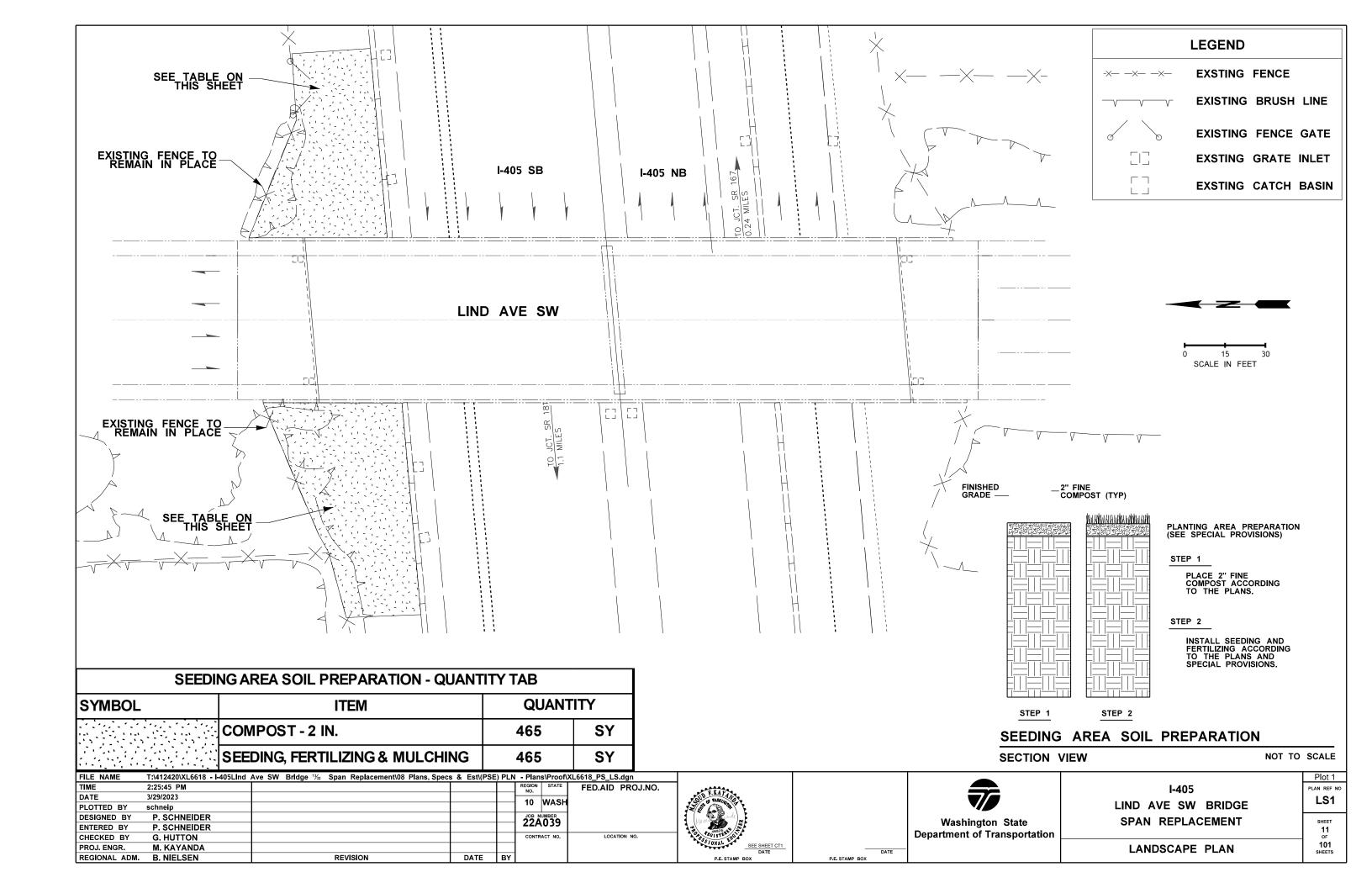
SHEETS

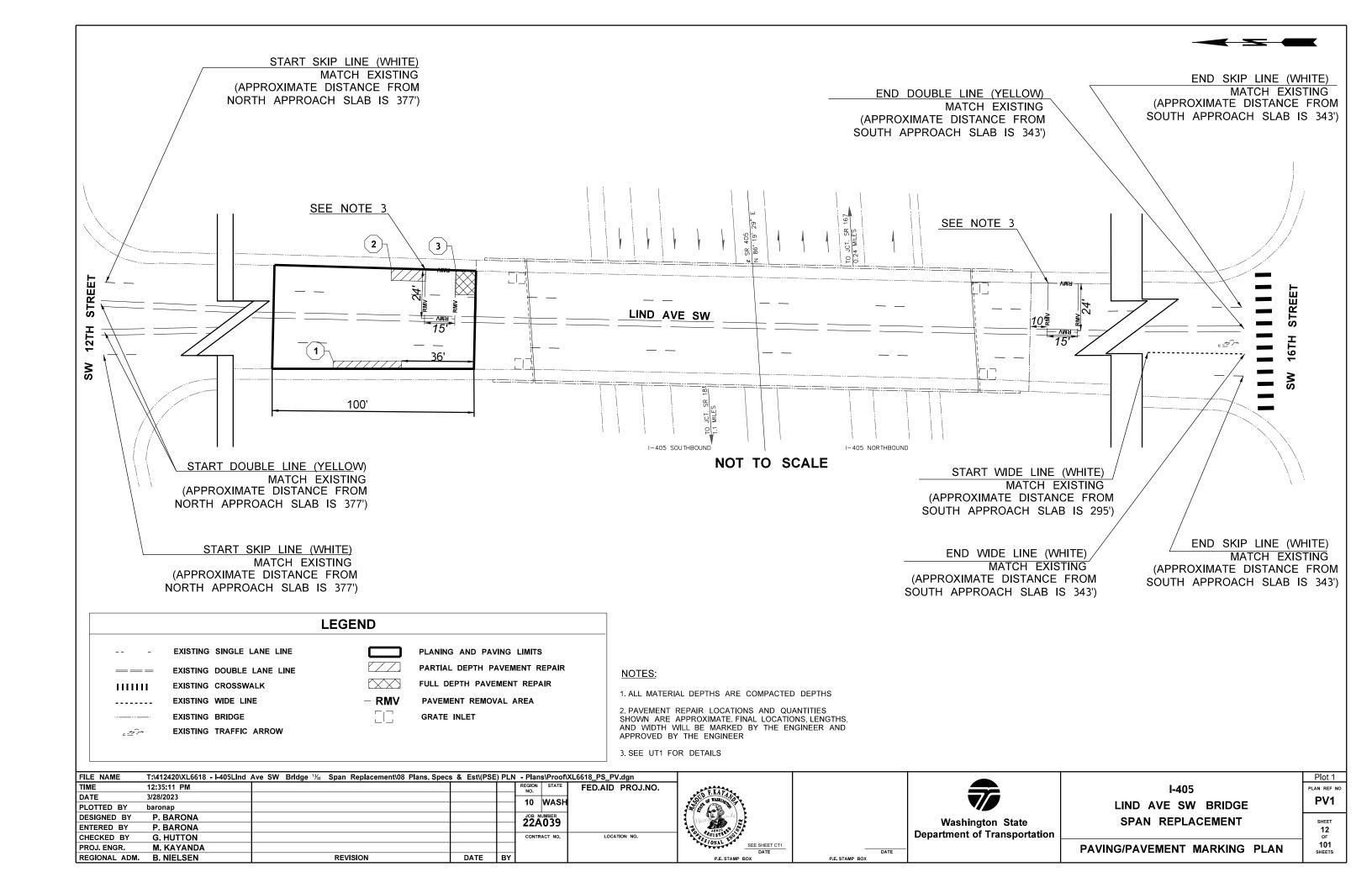
Plot 2

UT2

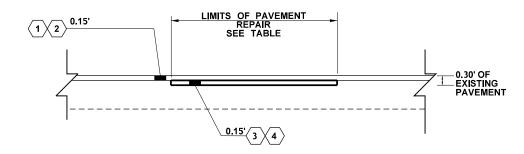








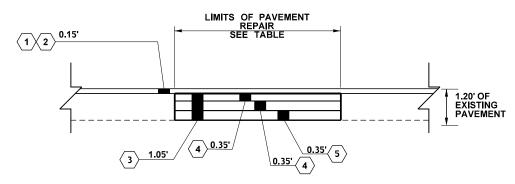
PA	PARTIAL DEPTH PAVEMENT REPAIR LOCATION SCHEDULE									
SHEET REF.	LENGTH (FT.)	WIDTH (FT.)	PAVEMENT REPAIR EXCAVATION INCL. HAUL (S.Y.)	HMA FOR PAVEMENT REPAIR CL. ½IN. PG 58H-22 QUANTITY (TON)						
PV1-1	34	4	15	2						
PV1-2	17	6	11	1						
SHE	ET TOT	ALS:	26 SY	3 TON						



DETAIL A - PARTIAL DEPTH PAVEMENT REPAIR

NOT TO SCALE

FULL DEPTH PAVEMENT REPAIR LOCATION SCHEDULE PAVEMENT REPAIR EXCAVATION INCL. HAUL QUANTITY (S.Y.) 13 PAVEMENT REPAIR CL.½IN. PG 58H-22 QUANTITY (TON) 2 CRUSHED SURFACING BASE COURSE QUANTITY (TON) WIDTH (FT.) LENGTH (FT.) PV1-3 10 12 SHEET TOTALS: 8 TON 13 SY 3 TON



DETAIL B - FULL DEPTH PAVEMENT REPAIR

NOT TO SCALE

NOTES

- 1. ALL MATERIAL DEPTHS ARE COMPACTED DEPTHS
- 2. PAVEMENT REPAIR LOCATIONS AND QUANTITIES SHOWN ARE APPROXIMATE FINAL LOCATIONS, LENGTHS, AND WIDTH WILL BE MARKED BY THE ENGINEER AND APPROVED BY THE ENGINEER

LEGEND

$\langle 1 \rangle$	PLANING BITUMINOUS PAVEMENT
$\langle 2 \rangle$	HMA CL. 1/2 IN. PG 58H-22

- PAVEMENT REPAIR EXCAVATION INCL. HAUL
- HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 58H-22
- CRUSHED SURFACING BASE COURSE

FILE NAME	T:\412420\XL6618 - I-405LInd	Ave SW	Bridge 13/32	Span	Replacement\08	Plans, Spece	& Est\(P	SE) PLN	I - Plan	s\Proof\	XL6618_PS_PV.dgn	
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DATE	3/28/2023									WASH		٠,
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DESIGNED BY	P. BARONA								JOB N	IUMBER		
ENTERED BY	P. BARONA								224	039		1
CHECKED BY	G. HUTTON								CONTR	RACT NO.	LOCATION NO.	٠ ٦
PROJ. ENGR.	M. KAYANDA								1			
REGIONAL ADM.	B. NIELSEN			RE\	VISION		DATE	BY	1			





	I-405										
LIND	AVE	SW	BRIDGE								
SPA	N RE	PLAC	EMENT								

PAVING/PAVEMENT MARKING PLAN

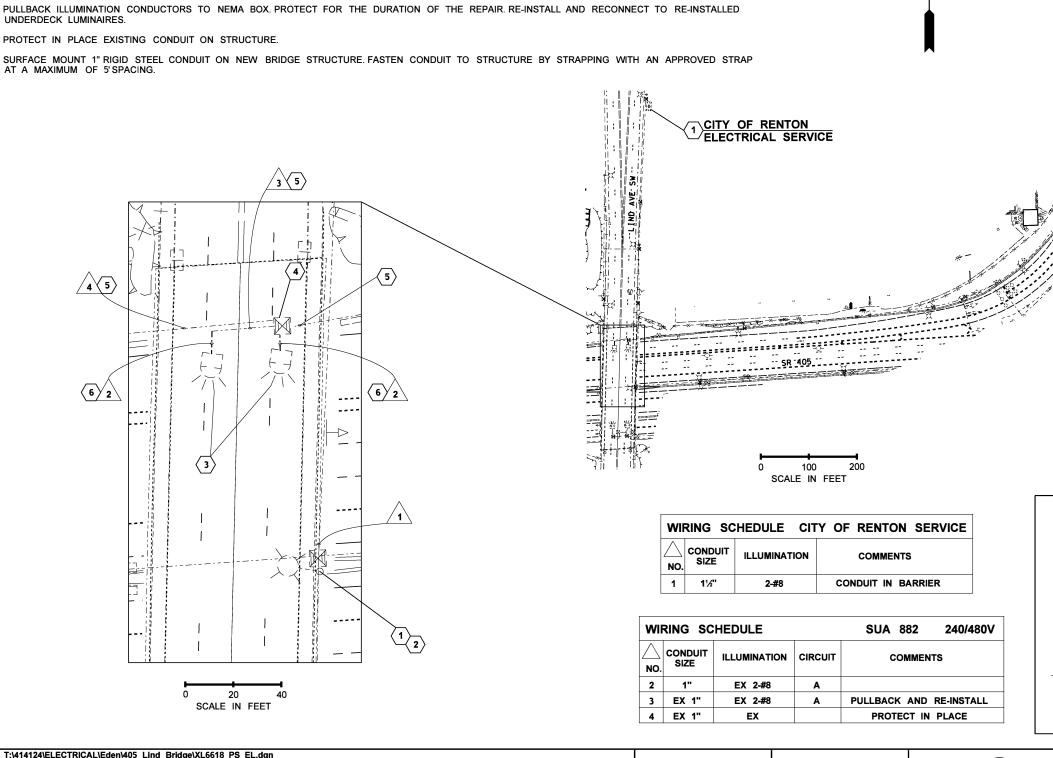
Plot 2 PLAN REF NO PV2

13 0F

101 SHEETS



- NOTIFY THE ENGINEER TO COORDINATE WITH CITY OF RENTON BEFORE DE-ENERGIZING, DISCONNECTING, AND REMOVING EXISTING LUMINAIRE POLE FOR DURATION OF REPAIR. RE-INSTALL AND RECONNECT EXISTING LUMINAIRE AFTER REPAIR WORK IS COMPLETE. COORDINATE WITH CITY OF RENTON ENGINEER TO ENSURE LUMINAIRE IS ENERGIZED AND FUNCTIONING. FOR ATTACHMENT DETAILS SEE BRIDGE PLANS.
- SPLICE NEW LUMINAIRE POWER CONDUCTOR TO EXISTING.
- $\langle 3 \rangle$ COORDINATE WITH WSDOT ENGINEER BEFORE DE-ENERGIZING, DISCONNECTING, AND REMOVING EXISTING UNDERDECK LUMINAIRE AND ALL ASSOCIATED MOUNTING EQUIPMENT FOR THE DURATION OF REPAIR. RE-INSTALL AND RECONNECT EXISTING UNDERDECK LUMINAIRE AND ALL ASSOCIATED MOUNTING EQUIPMENT AFTER REPAIR WORK IS COMPLETE. COORDINATE WITH WSDOT ENGINEER TO ENSURE UNDERDECK LUMINAIRE IS ENERGIZED AND FUNCTIONING.
- PULLBACK ILLUMINATION CONDUCTORS TO NEMA BOX. PROTECT FOR THE DURATION OF THE REPAIR. RE-INSTALL AND RECONNECT TO RE-INSTALLED UNDERDECK LUMINAIRES.
- $\langle 5 \rangle$ PROTECT IN PLACE EXISTING CONDUIT ON STRUCTURE.
- AT A MAXIMUM OF 5'SPACING.



LEG	END	
EXISTING	NEW	
		TYPE 1 JUNCTION BOX
\bowtie		NEMA JUNCTION BOX
k ∓ x - Ж 		CONTROLLER CABINET
K		ELECTRICAL SERVICE CABINET
o>-		LUMINAIRE
¥,		UNDERDECK LUMINAIRE
		CONDUIT
	$\langle \mathbf{x} \rangle$	CONSTRUCTION NOTE FLAG
	X	WIRING NOTE FLAG

LIFE MAINE	1.1414124ILLLOTINIOALILUGIII4	+05 Eina BriageixE0010_F3_EE.agii						
TIME	7:01:32 AM				REGION NO.	STATE	FED.AID PROJ.NO.	KEHUUA
DATE	3/2/2023				10	WASH		OF WASHING
PLOTTED BY	HavensE				"	WASH	1	
DESIGNED BY	E. HAVENS				JOB	NUMBER	-	Z
ENTERED BY	E. HAVENS				Ī			31740
CHECKED BY	C. ZACHARIAS				CONT	RACT NO.	LOCATION NO.	GO ON A ENGIN
PROJ. ENGR.	M. KAYANDA				Ī			- PARAGO
REGIONAL ADM.	B. NIFI SEN	REVISION	DATE	BY	Ī			PE STAM



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Washington State Department of Transportation	
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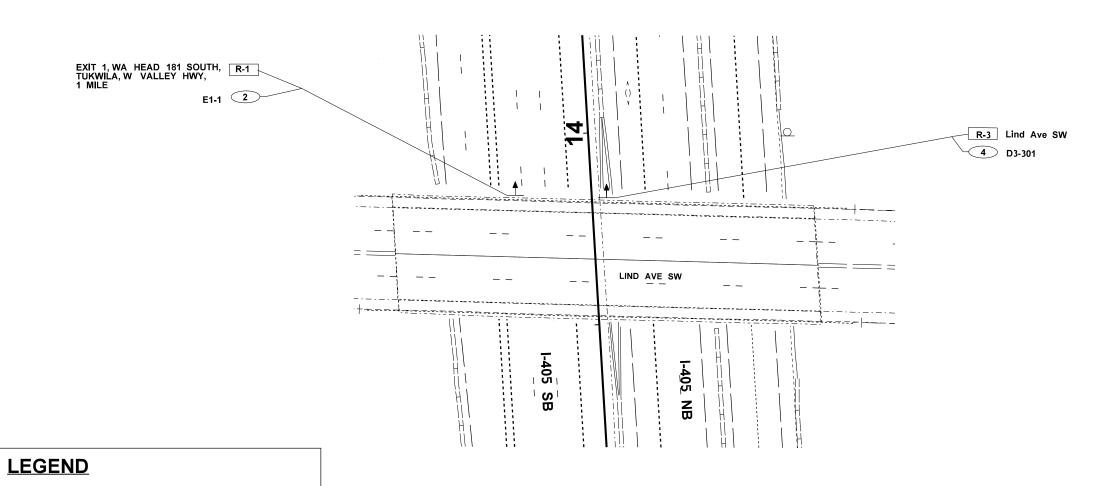
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I-405	Γ
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LIND AVE SW BRIDGE	ı
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SPAN REPLACEMENT	ı
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ILLUMINATION PLAN	1

Plot 2

IL1

SHEET 14 OF 101 SHEETS

T. 23 N., R. 5 E., W.M.



GENERAL NOTES:

REGIONAL ADM. B.NIELSEN

EXISTING

1. PROTECT AND MAINTAIN ALL EXISTING SIGNS NOT IDENTIFIED FOR REMOVAL ON THE PLANS. 2. SEE SHEET SN2 FOR SIGN SPECIFICATIONS AND SIGN LEGEND.

NEW

 $\bigcirc X$

R-

FILE NAME C:\Work\Project\On-golng\XL6618-I405 Span Replacement - Sign\PS\XL6618-PS-SN.dgn FED.AID PROJ.NO. TIME 1:06:22 PM REGION NO. DATE 3/27/2023 10 WASH PLOTTED BY LuoW JOB NUMBER DESIGNED BY W.LUO 22A039 ENTERED BY W.LUO CHECKED BY L.ANGLIN CONTRACT NO. LOCATION NO. PROJ. ENGR. M.KAYANDA

REVISION

DATE BY

OVERHEAD SIGN

SIGN REMOVAL NOTE

SIGN NOTE



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Washington State Department of Transportation	L
Department of Transportation	ŀ

DATE

I-405
LIND AVE SW BRIDGE
SPAN REPLACEMENT
SIGNING PLAN

25 SCALE IN FEET

Plot 1

PLAN REF NO

SN1

SHEET 15

101 SHEETS

SIGN SPECIFICATIONS

SIGN	SIGNCODE	DESCRIPTION	STATION	SIGN	SIZE	SHEETING	LETTER SIZE	POST	POST	SIGN	POST	CLEARANCE		REMARKS
NO.			CIAHOR	X	Υ	TYPE	OR CODE	MATERIAL	SIZE	SUPPORT	LENGTH	_ V	W	1.2.11.11.12
R-1		EXIT 1, WA HEAD 181 SOUTH, TUKWILA, W VALLEY HWY, 1 MILE	E405 13+70 OH	EX	EX	*		BRIDGE MOUNT				**		REMOVE SIGN AND BRACKET. BRACKET TO BE SALVAGED.
2	E1-1	EXIT 1, WA HEAD 181 SOUTH, TUKWILA, W VALLEY HWY, 1 MILE	E405 13+70 OH	210"	168"	*	SEE DETAIL	BRIDGE MOUNT				**		INSTALL EXISTING BRACKET PER C-7295 AS-BUILT SHEET BMS11. ***
R-3		LIND AVE SW	E405 13+70 OH	EX	EX	*		BRIDGE MOUNT				**		REMOVE SIGN AND ANCHOR BOLTS. REPAIR HOLES IN ACCORDANCE WITH STANDARD SPECIFICATION 8-21.3(4).
4	D3-301	LIND AVE SW	E405 13+70 OH	84"	16"	*	SEE DETAIL	BRIDGE MOUNT				**		INSTALL SIGN PER C-7295 AS-BUILT SHEET BMS14.***

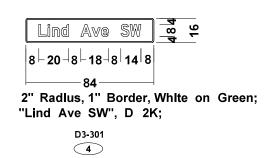
GENERAL NOTES

- 1. FOR MOUNTING DETAILS SEE STANDARD PLAN G-90.30
- 2. FOR CODE REFERENCES AND STANDARD DETAILS SEE WASHINGTON STATE SIGN FABRICATION MANUAL.
- 3. ALL SIGNS IDENTIFIED TO BE REMOVED SHALL BE REMOVED PER WSDOT STD. SPECIFICATIONS

CONSTRUCTION NOTES

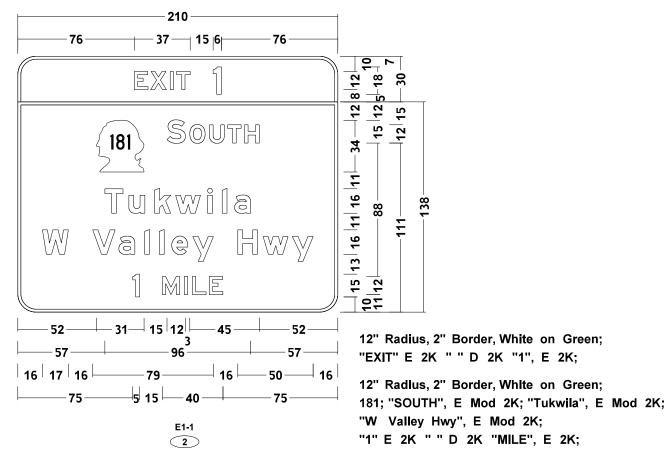
- * TYPE IV FOR BACKGROUNDS AND TYPE XI FOR BORDER AND LEGENDS
- ** NORMAL V CLEARANCE FOR ALL OVERHEAD SIGNS IS 20 FEET
- *** SEE SPECIAL PROVISIONS FOR C-7295 AS-BUILT SHEET

SIGN DETAIL



NOTES:

ALL DIMENSIONS IN SIGN DETAIL ARE INCH(ES).



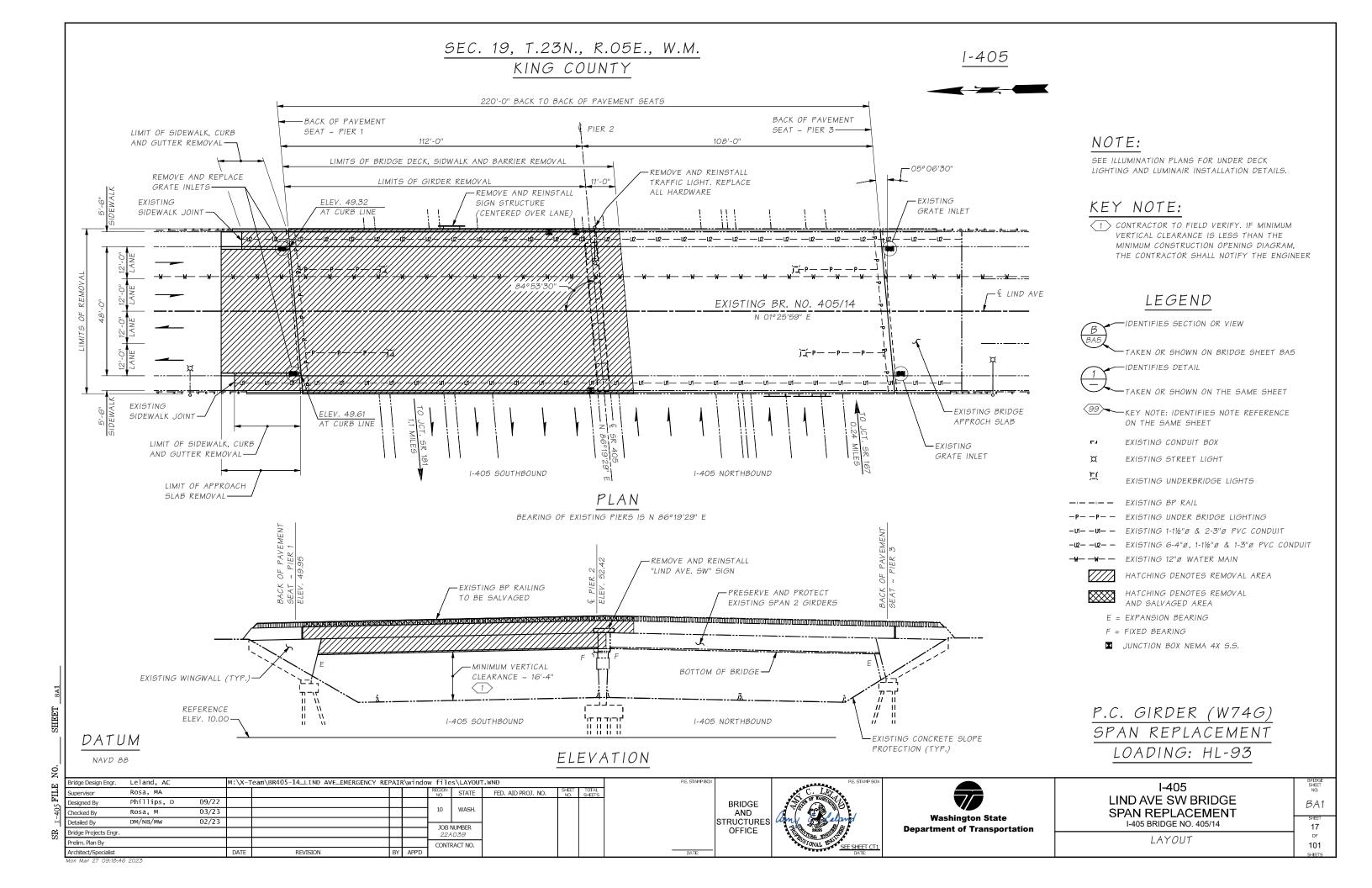
DATE

FILE NAME	C:\Work\Project\On-golng\XL66	518-I405 Span Replacement - Sign\PS\XL6618-PS-SN.dgn					
TIME	1:06:23 PM				REGION NO.	STATE	FED.AID PROJ.NO.
DATE	3/27/2023					WASH	
PLOTTED BY	LuoW				יי ן	WASH	
DESIGNED BY	W.LUO					UMBER	
ENTERED BY	W.LUO				22A	039	
CHECKED BY	L.ANGLIN				CONTR	ACT NO.	LOCATION NO.
PROJ. ENGR.	M.KAYANDA				1		
REGIONAL ADM.	B.NIELSEN	REVISION	DATE	BY			



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Washington State Department of Transportation

	Plot 2
I-405	PLAN REF NO
LIND AVE SW BRIDGE	SN2
SPAN REPLACEMENT	SHEET 16
SIGNING PLAN	101 SHEETS



GENERAL NOTES

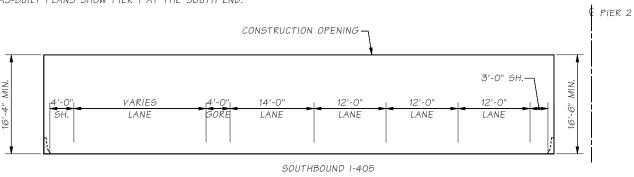
- 1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION DATED 2023.
- 2. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 9TH EDITION 2020. DEAD LOAD INCLUDES ADDITIONAL FUTURE WEARING SURFACE OF 35 POUNDS PER SQUARE FOOT. THE NEWLY CONSTRUCTED BRIDGE TRAFFIC BARRIERS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS FOR TEST LEVEL 4 (TL-4) RAILINGS.
- 3. THE CONCRETE IN BRIDGE DECKS SHALL BE CLASS 4000D. THE CONCRETE IN BRIDGE APPROACH SLABS SHALL BE CLASS 4000A. ALL OTHER CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000.
- 4. UNLESS OTHERWISE SHOWN IN THE PLANS, CONCRETE COVER MEASURED FROM THE FACE OF CONCRETE TO THE FACE OF ANY REINFORCING STEEL SHALL BE 21/2" AT THE TOP OF THE BRIDGE DECK, 1" AT THE BOTTOM OF THE BRIDGE DECK AND 2" AT ALL OTHER LOCATIONS.
- 5. FALSEWORK SHALL BE CAREFULLY RELEASED TO PREVENT IMPACT OR UNDUE STRESS IN THE STRUCTURE
- 6. EXISTING FEATURES AND DIMENSIONS ARE BASED ON INSPECTION REPORTS AND AS-BUILT PLANS. ALL DIMENSIONS SHALL BE FIELD MEASURED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND PROCEEDING WITH CONSTRUCTION.
- 7. CONDUITS, JUNCTION BOXES, AND UTILITIES ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THESE PLANS WITH THE ELECTRICAL, I.T.S. AND OTHER CIVIL PLANS.
- 8. THE EXISTING STRUCTURE IS ASSUMED TO HAVE THE FOLLOWING PROPERTIES:
 - CONCRETE LINIT WEIGHT: 155 I BS /CE
 - CONCRETE COMPRESSIVE STRENGTH: 4,000 PSI
 - REINFORCEMENT YIELD STRENGTH: 60 KSI
- 9. THE BRIDGE DEMOLITION PLAN SHALL BE INCLUDED AS PART OF THE CONSTRUCTION SEQUENCE PLAN. CONSTRUCTION SEQUENCE PLAN SHALL BE SUBMITTED IN ACCORDANCE WITH 6-01.6. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
- 10. CONTRACTOR SHALL CONDUCT A SURVEY OF THE BRIDGE AND VERIFY ALL ELEVATIONS IN THE PLANS AND LOCATIONS OF KEY POINTS TO BE MAINTAINED TO MATCH THE EXISTING STRUCTURES.
- 11. SPAN REPLACEMENT PLANS IN THIS CONTRACT SHOW PIER 1 AT NORTH END, HISTORICAL AS-BILLT PLANS SHOW PIFR 1 AT THE SOUTH END

REMOVAL AND REPAIR NOTES

- 1. PRIOR TO ANY REMOVAL WORK, THE CONTRACTOR SHALL FIELD MEASURE THE EXISTING EXPANSION JOINT OPENING AT PIER 3 AT THE TWO CURB LINES AND AT THE AT THE CENTER OF THE SUPERSTRUCTURE. FIELD MEASUREMENTS SHALL BE TAKEN AT A STABLE AMBIENT TEMPERATURE AND THE TEMPERATURE SHALL BE RECORDED. THESE MEASUREMENTS SHALL BE SUBMITTED AS A TYPE 1 WORKING DRAWING.
- 2. A 34" SAWCUT SHALL BE PROVIDED AT ALL ACCESSIBLE FACES AND EDGES OF EXISTING CONCRETE REMOVAL LIMITS. ALL SURFACES EXPOSED BY REMOVAL SHALL BE TREATED AS CONSTRUCTION JOINTS WITH ROUGHENED SURFACES
- 3. EXISTING REINFORCEMENT THAT IS ENTIRELY WITHIN THE CONCRETE REMOVAL LIMITS SHALL BE REMOVED. ALL OTHER REINFORCEMENT SHALL REMAIN IN PLACE WITHOUT DAMAGE. SOME EXISTING REINFORCEMENT HAS BEEN SHOWN FOR THE CONTRACTOR'S INFORMATION, BUT THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL EXISTING REINFORCEMENT WITHIN THE SPECIAL REMOVAL AREA.
- 4. SOME EXISTING REINFORCEMENT HAS BEEN IDENTIFIED AS NEEDING PROTECTION. MODIFICATIONS TO ANY OTHER EXISTING REINFORCEMENT THAT IS TO REMAIN SHALL REQUIRE THE APPROVAL OF THE ENGINEER.

SUGGESTED DEMOLITION SEQUENCE

- 1. THE CONTRACTOR SHALL BRACE AND SUPPORT THE SEVERELY DAMAGED GIRDERS AT ALL TIMES DURING ALL STAGES OF REMOVAL.
- 2. REMOVE AND SALVAGE EXISTING BP RAIL, LUMINAIRE, AND SIGN BRACKET, STORE ASSEMBLIES FOR REINSTALLATION WITH REPLACEMENT SUPERSTRUCTURE.
- 3. SAWCUT BRIDGE DECK IN SPAN 2 AS SPECIFIED.
- 4. REMOVE EXISTING SIDEWALK ALONG BOTH SIDES.
- 5. CAREFULLY REMOVE BRIDGE DECK NEAR PIER 2, TO GIVE ACCESS TO PIER 2 CROSSBEAM AND NOT DAMAGE REINFORCEMENT.
- 6. CAREFULLY DEMOLISH CROSSBEAM WITHOUT DAMAGING REINFORCEMENT. CUT AND CLEAN SPECIFIED REINFORCEMENT TO SPECIFIED LENGTHS.
- 7. REMOVE SPAN 1 GIRDERS, DIAPHRAGMS, AND BRIDGE DECK ENTIRELY.



CONSTRUCTION OPENING--3'-0" SH. -3'-0" SH. 12'-0" 12'-0" 13'-0" 13'-0" 8'-0" LANE LANE LANE SH. LANE LANE SH. NORTHBOUND 1-405

SOUTHBOUND 1-405 CONSTRUCTION OPENING DIAGRAM

NORTHBOUND 1-405 CONSTRUCTION OPENING DIAGRAM

Bridge Design Engr.	Leland, AC		M:\X-1	ream\BR405-14_LIND AVE_EMERGENCY	REPAI	R\windo	w file	s\GEN NO	OTES.wnd			
Supervisor	Rosa, MA						REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	İ
Designed By	Phillips, D	01/23										ĺ
Checked By	Rosa, M	03/23					10	WASH.				T
Detailed By	DM/NB	02/23					TOD	NII IMPED				V
Bridge Projects Engr.								NUMBER 1039				
Prelim. Plan By							CONT	RACT NO.				
Architect/Coocialist			DATE	DEVICION .	DV	A DD/D	1					1





PIER 2



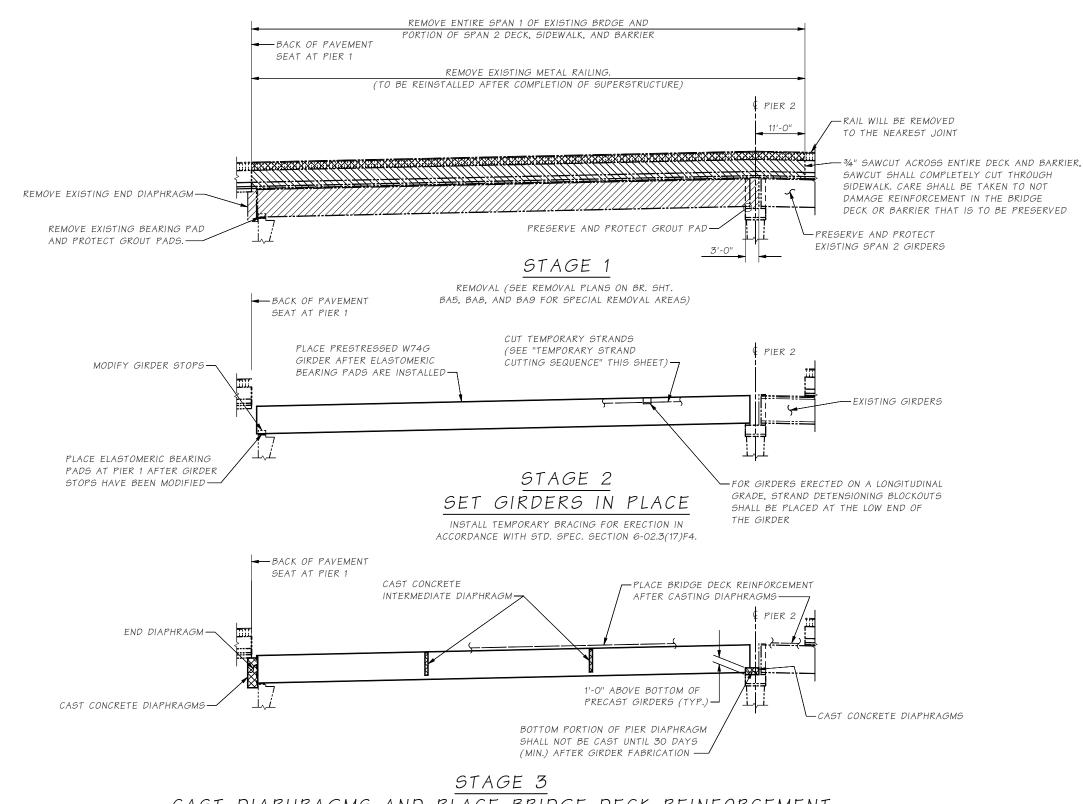


I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT I-405 BRIDGE NO. 405/14

GENERAL NOTES

BA2

18



CAST DIAPHRAGMS AND PLACE BRIDGE DECK REINFORCEMENT

INSTALL TEMPORARY BRACING FOR DECK PLACEMENT IN ACCORDANCE WITH STD. SPEC. SECTION 6-02.3(17)F5

CONSTRUCTION SEQUENCE ~ SUPERSTRUCTURE

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NOTE:

NO LIVE LOAD SHALL BE ALLOWED ON THE SPANS UNTIL THE COMPRESSIVE STRENGTH OF THE TOP PORTION OF THE PIER DIAPHRAGM HAS REACHED 3000 PSI (MIN.).

TEMPORARY STRAND

CUTTING SEQUENCE

THE BLOCKOUT FILLED WITH GROUT.

2. JUST PRIOR TO CUTTING THE TEMPORARY STRANDS.

REMOVE EXPANDED POLYSTYRENE IN BLOCKOUTS IN TOP

BLOCKOUT, PREVENT MOISTURE FROM ENTERING THE BLOCKOUT UNTIL THE TEMPORARY TOP STRAND IS CUT AND

3. CUT STRANDS IN BLOCKOUTS, STRANDS MAY BE CUT BY

IN A SYMMETRICAL MANNER ABOUT THE GIRDER

USING A CUTTING TORCH AND MOVING THE FLAME BACK

AND FORTH OVER THE LENGTH OF EXPOSED STRAND TO

LET INDIVIDUAL WIRES BREAK ONE AT A TIME TO LESSEN

CENTERLINE STARTING WITH THOSE FURTHEST FROM THE CENTERLINE AND WORKING INWARDS. FOR POST-TENSIONED

TEMPORARY TOP STRANDS, ACTIVELY RESTRAIN THE STRAND CHUCKS AT THE GIRDER ENDS DURING CUTTING.

4. WITHIN 24 HOURS OF CUTTING THE TEMPORARY STRANDS,

THE SHOCK TO THE GIRDER. STRANDS SHALL BE RELEASED

FLANGE OF GIRDERS. ONCE THE EXPANDED POLYSTYRENE HAS BEEN REMOVED FROM THE STRAND DETENSIONING

1. ERECT AND BRACE GIRDERS.

FILL THE BLOCKOUTS WITH A GROUT CONFORMING TO STD. SPEC. 9-20.3(2). REMOVE ALL MOISTURE IN BLOCKOUTS PRIOR TO FILLING THEM WITH GROUT.

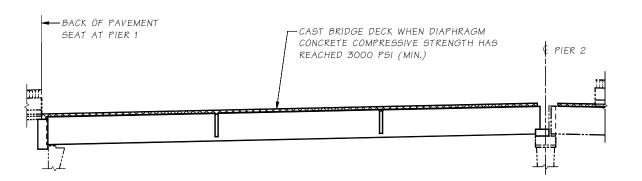
STAGE CONSTRUCTION SEQUENCE

I-405 LIND AVE SW BRIDGE

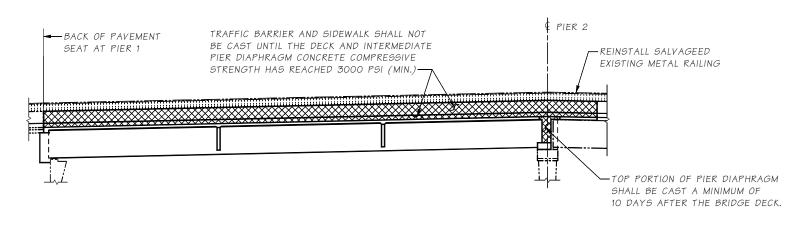
SPAN REPLACEMENT

I-405 BRIDGE NO. 405/14 DETAILS 1 OF 2

BA3 19



STAGE 4 CAST BRIDGE DECK



STAGE 5 COMPLETED PIER DIAPHRAGM, SIDEWALK BARRIER AND RAILING

CONSTRUCTION SEQUENCE ~ SUPERSTRUCTURE

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BRIDGE AND TRUCTURES OFFICE



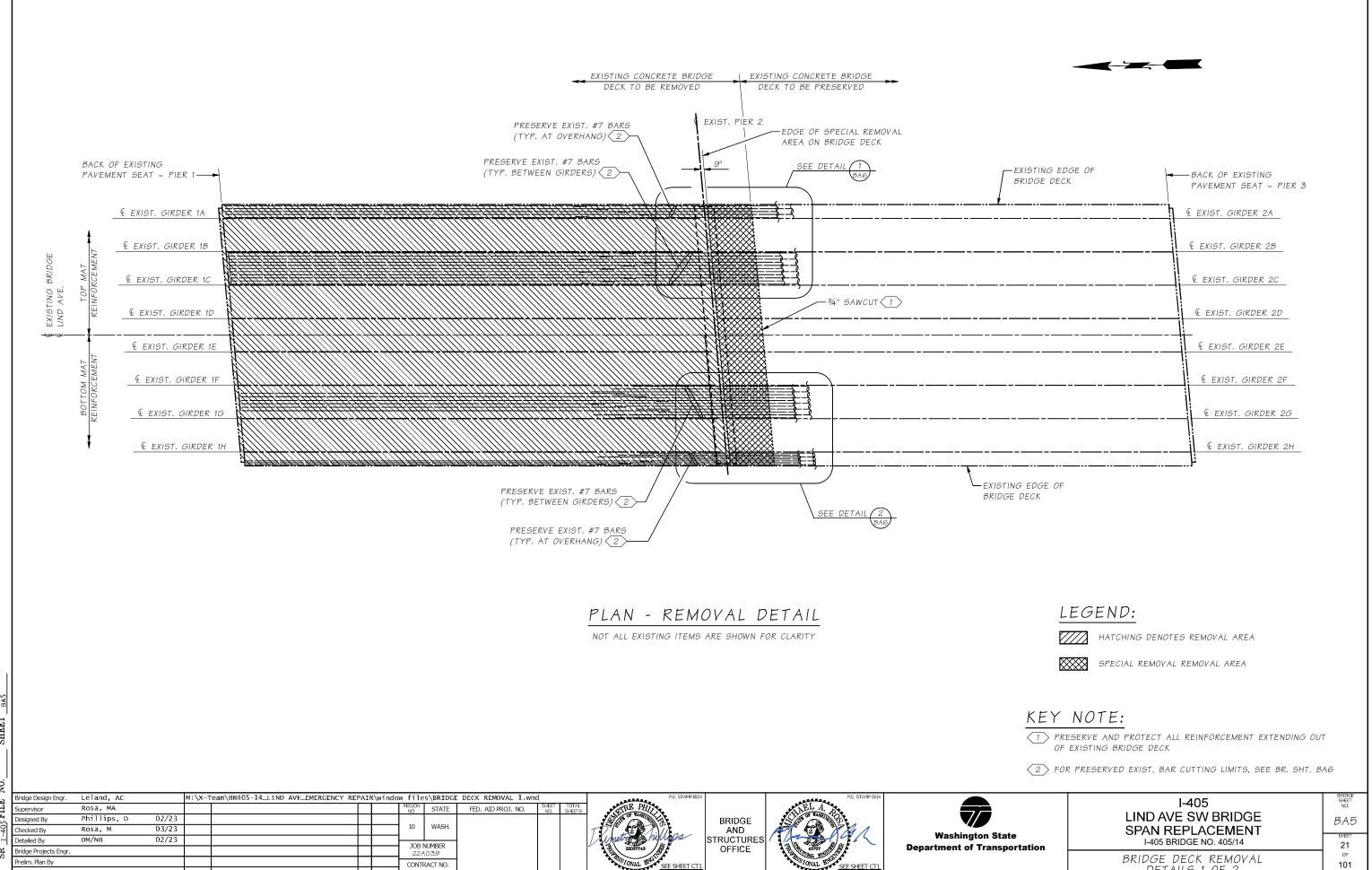


I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT I-405 BRIDGE NO. 405/14

STAGE CONSTRUCTION SEQUENCE DETAILS 2 OF 2

BA4

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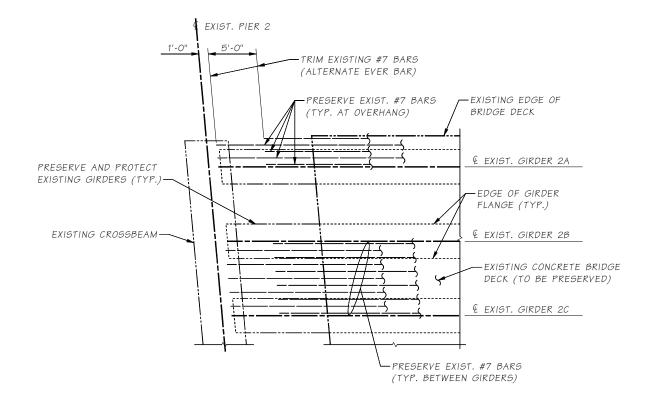
DETAILS 1 OF 2

CONTRACT NO.

Architect/Specialist

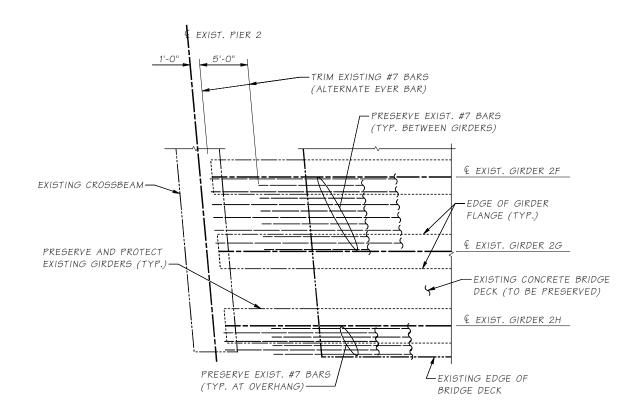
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NOT ALL EXISTING ITEMS ARE SHOWN FOR CLARITY





NOT ALL EXISTING ITEMS ARE SHOWN FOR CLARITY

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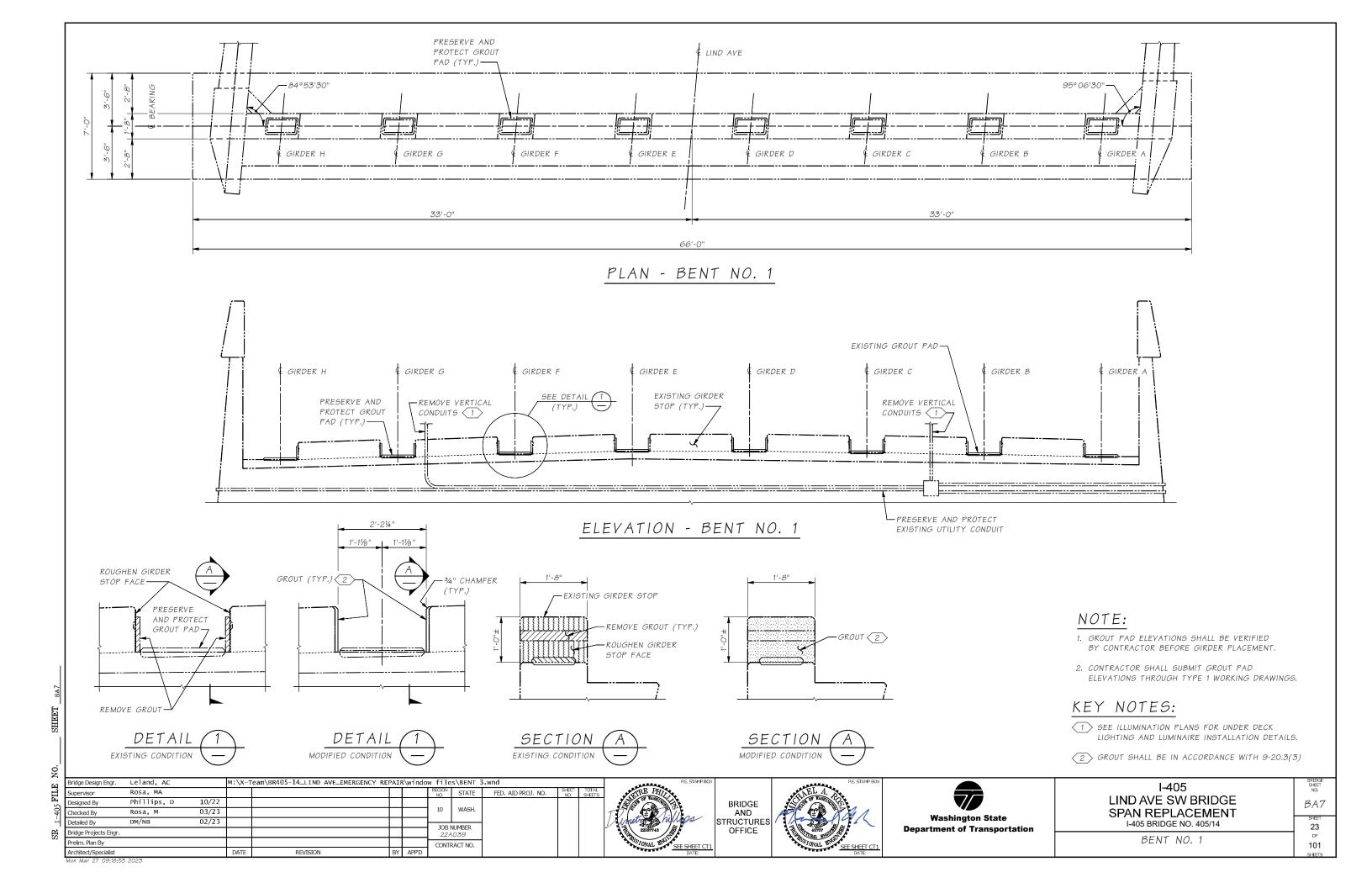


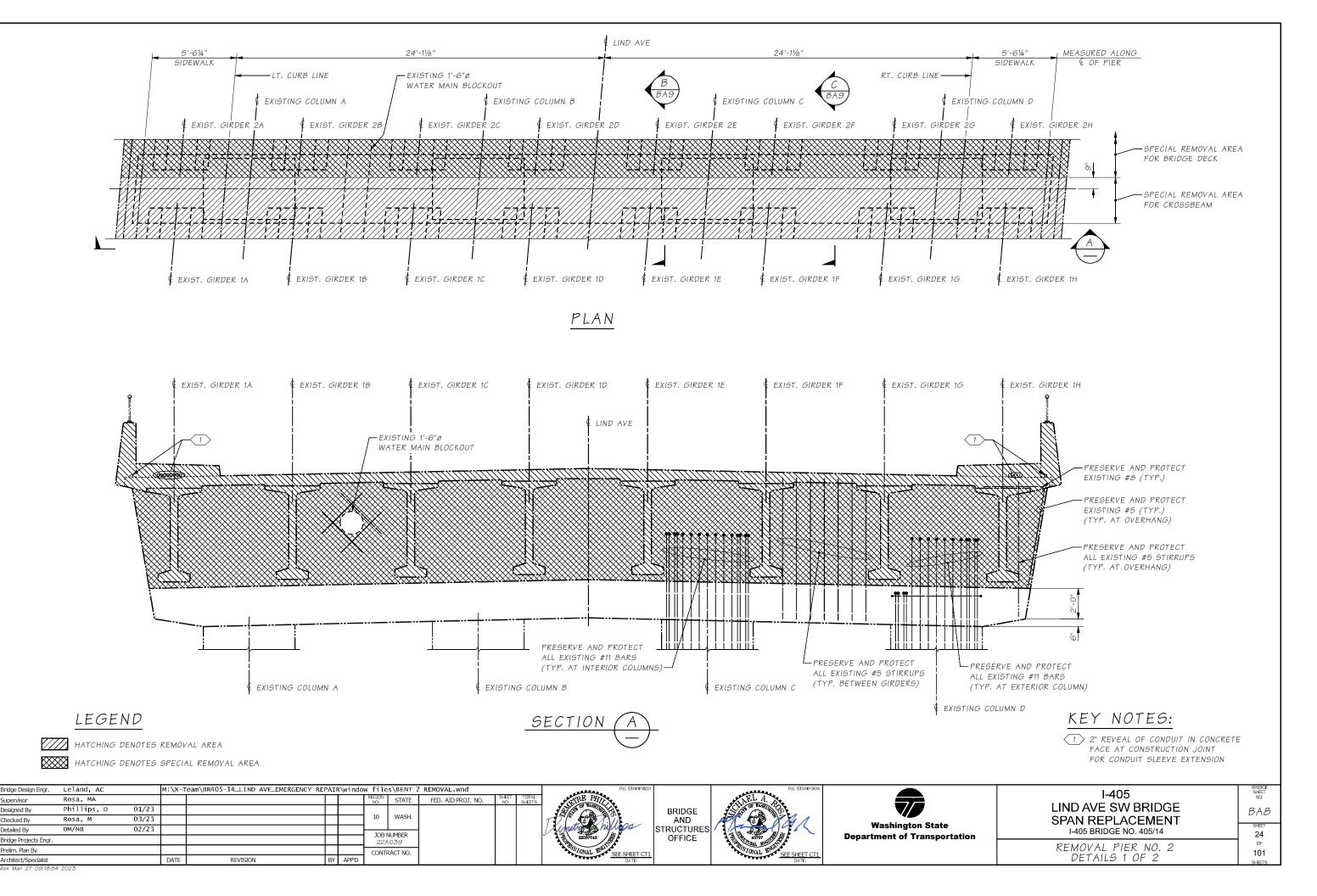
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LIND AVE SW BRIDGE
SPAN REPLACEMENT
I-405 BRIDGE NO. 405/14

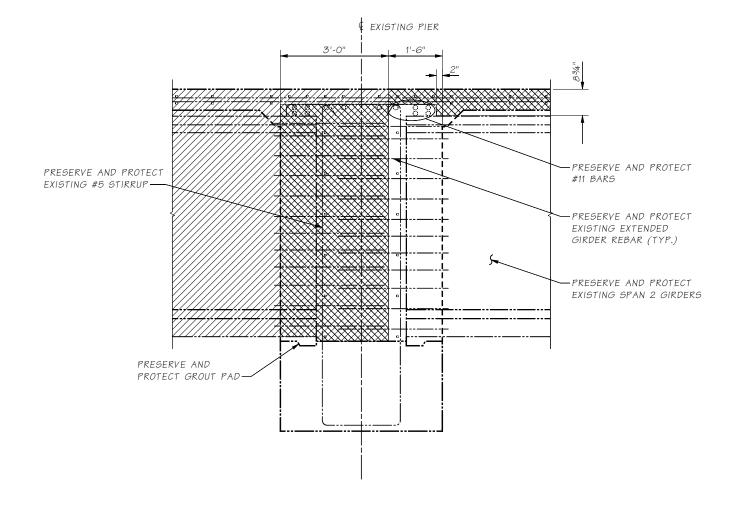
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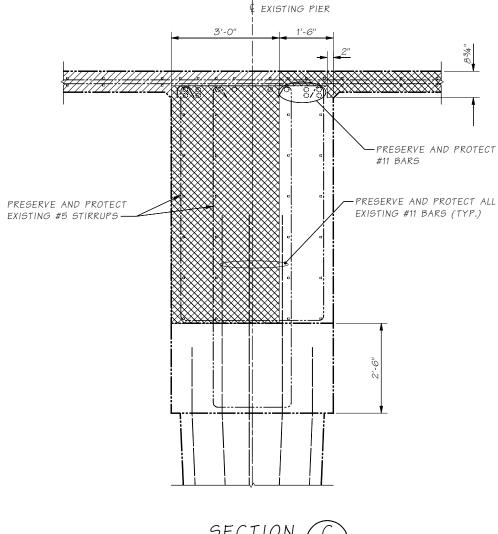
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OF 101

BRIDGE DECK REMOVAL DETAILS 2 OF 2









SECTION C
TYP. BETWEEN GIRDERS BA8

LEGEND

HATCHING DENOTES REMOVAL AREA

HATCHING DENOTES SPECIAL REMOVAL AREA

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REVISION

DATE

CONTRACT NO.

Prelim. Plan By

Architect/Specialist



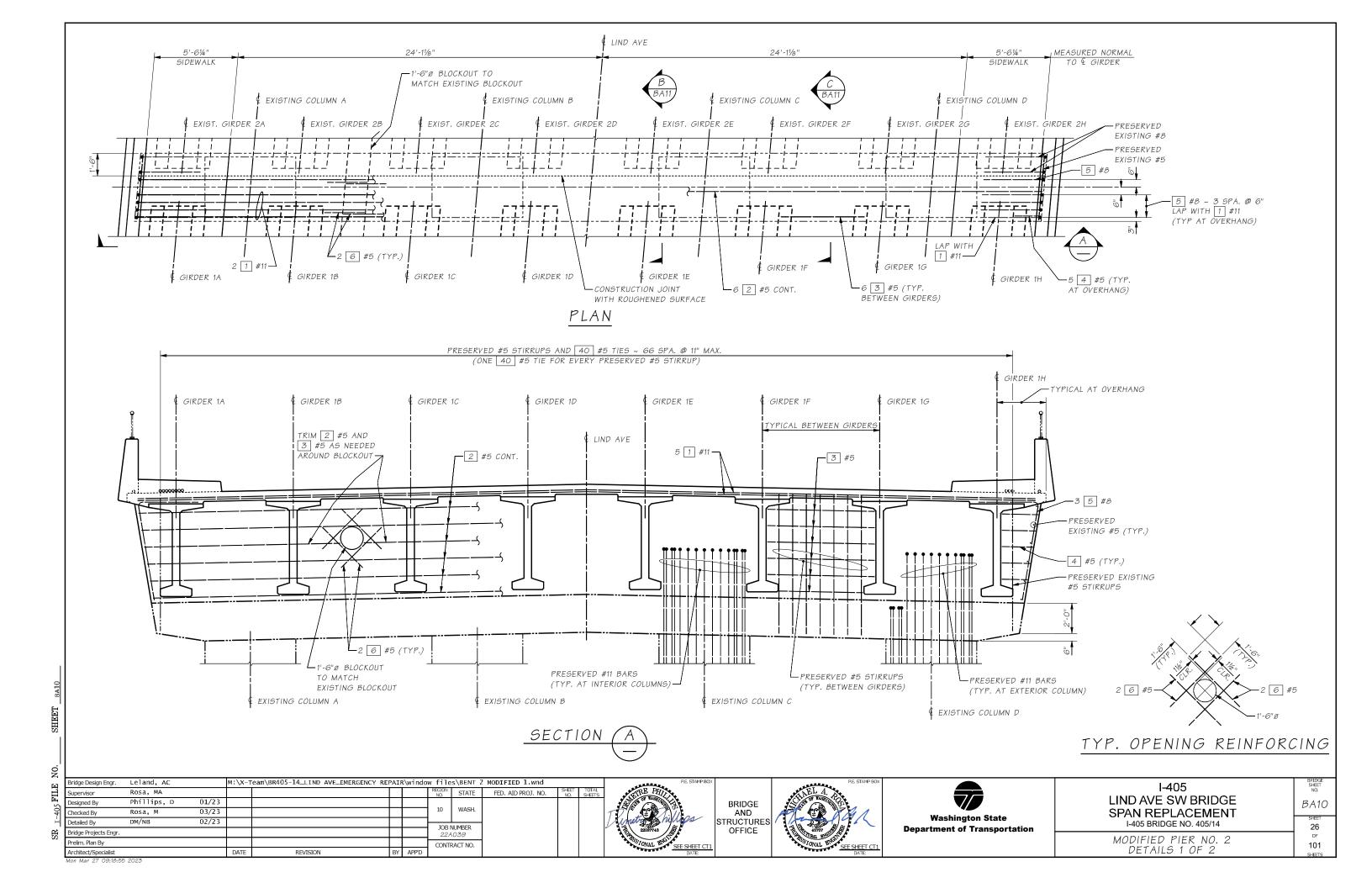
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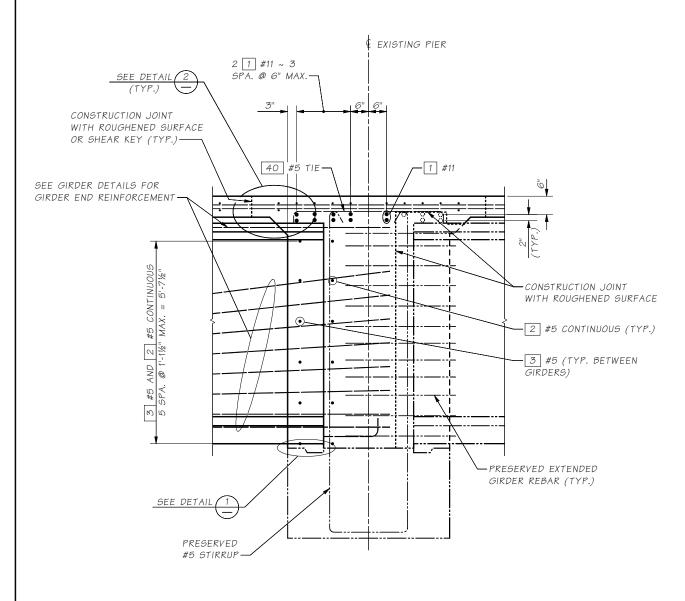




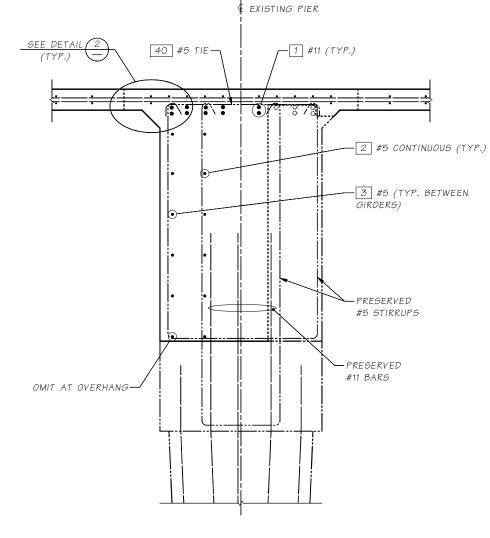
I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT I-405 BRIDGE NO. 405/14
REMOVAL PIER NO. 2 DETAILS 2 OF 2

BA9
SHEET
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OF
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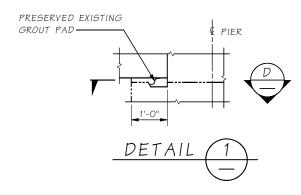


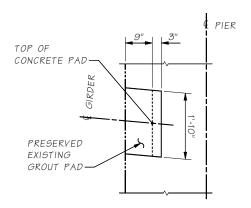
SECTION TYPICAL AT GIRDER NOT ALL EXISTING REINFORCEMENT IS SHOWN FOR CLARITY

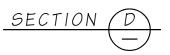


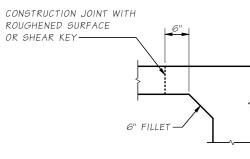
SECTION TYPICAL BETWEEN GIRDERS NOT ALL EXISTING REINFORCEMENT IS SHOWN FOR CLARITY

> FOR CALLOUTS AND DETAILS NOT SHOWN, SEE SECTION B









DETAIL

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BRIDGE AND STRUCTURES OFFICE



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	Department of Transportation

I-405
LIND AVE SW BRIDGE
SPAN REPLACEMENT
I-405 BRIDGE NO. 405/14

MODIFIED PIER NO. 2 DETAILS 2 OF 2

GROUT PAD DETAIL GIRDER NOT SHOWN FOR CLARITY

1'-10"

GIRDER

11"

11"

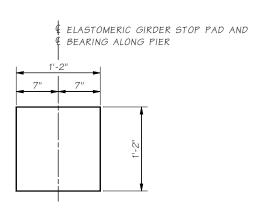
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05° 06'30"

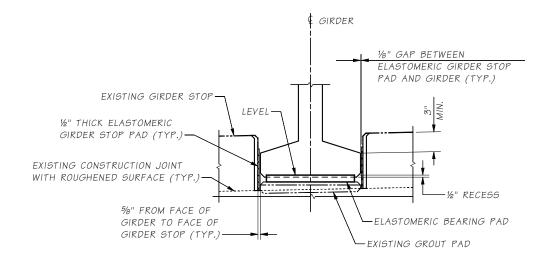
ELASTOMERIC BEARING PAD

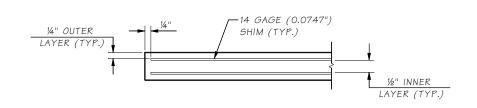
LAMINATED ELASTOMERIC BEARING PAD (2 SHIMS).



ELASTOMERIC GIRDER STOP PAD

SHEAR MODULUS = 165 PSI







BEARING DESIGN TAB AASHTO METHOD B DESIGI	
SERVICE - I LIMIT STATE	
DEAD LOAD (DL) REACTION	126 KIPS
LIVE LOAD REACTION (W/O IMPACT)	101 KIPS
UNLOADED HEIGHT	1.72 IN
LOADED HEIGHT (DL)	1.71 IN
SHEAR MODULUS	165 PSI

SECTION A

NOTES:

- 1. GIRDER STOPS SHALL BE CONSTRUCTED AFTER GIRDER PLACEMENT.
- 2. THE ELASTOMERIC GIRDER STOP PADS SHALL BE BONDED TO THE GIRDER STOPS WITH AN APPROVED ADHESIVE.

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I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT I-405 BRIDGE NO. 405/14

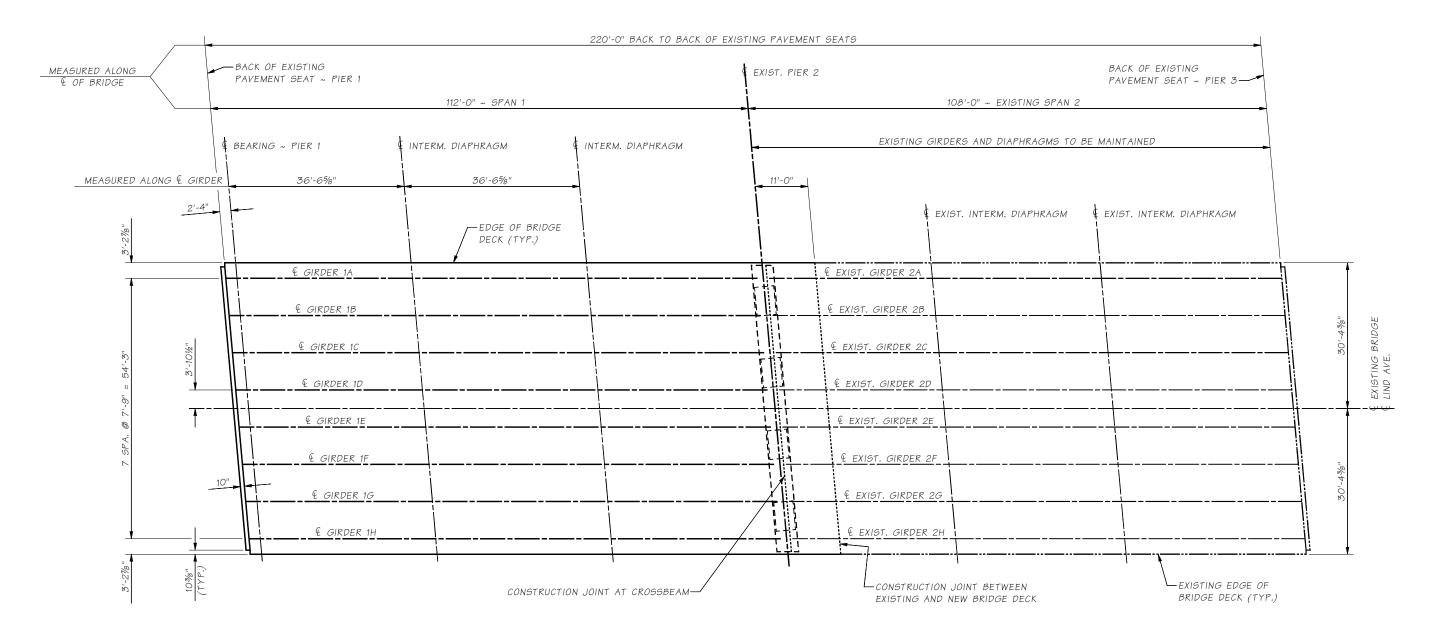
BEARING DETAILS

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PLAN BEARING OF PIERS IS N 86°19'29" E

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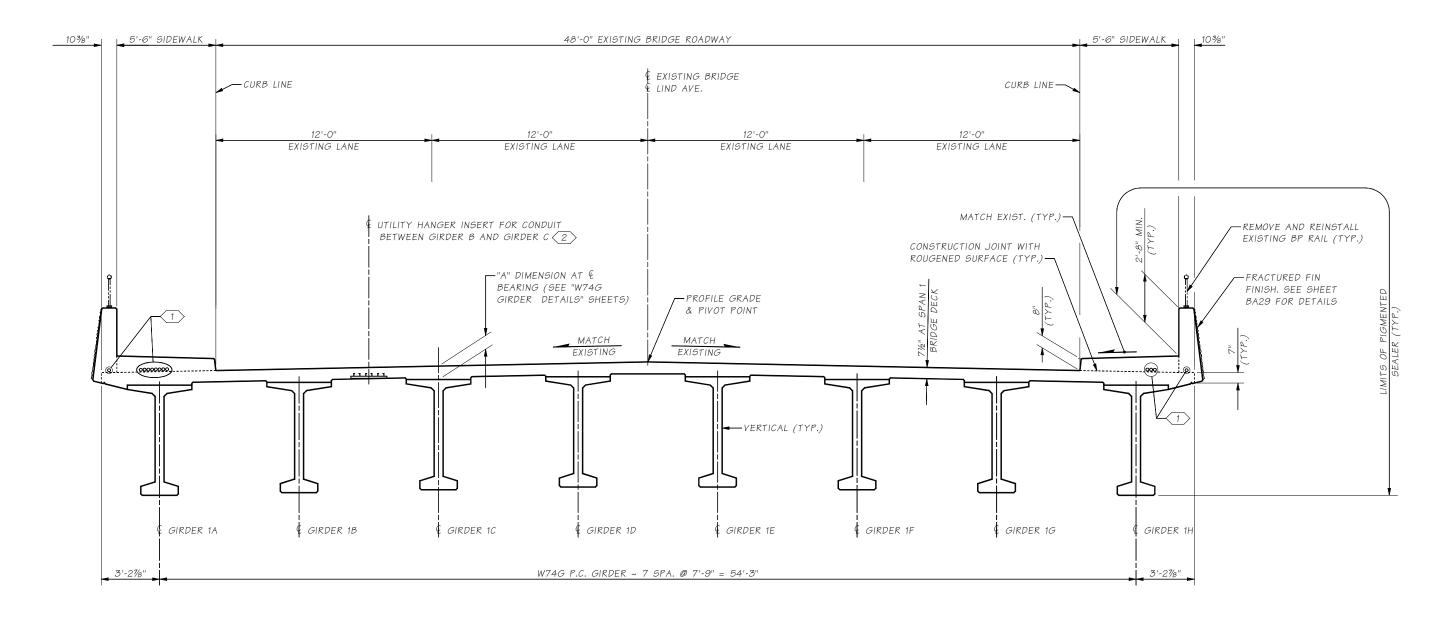
BRIDGE AND STRUCTURES OFFICE



I-405
LIND AVE SW BRIDGE
SPAN REPLACEMENT
I-405 BRIDGE NO. 405/14

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FRAMING PLAN



TYPICAL SECTION AT SPAN 1

TRANSVERSE DIMENSIONS ARE NORMAL TO & GIRDER UNLESS OTHERWISE NOTED.

KEY NOTES:

- UTILITY SIZE AND LOCATIONS ARE APPROXIMATE.
 THE CONTRACTOR SHALL FIELD VERIFY.
 NEW CONDUITS AND NON-POPULATED
 CONDUITS SHALL BE INSTALLED IN
 ACCORDANCE WITH SECTION 8-20 (TYP.)
- 2) SEE "UTILITY HANGER DETAILS" SHEETS FOR INFORMATION NOT SHOWN.

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I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT I-405 BRIDGE NO. 405/14

TYPICAL SECTION
SPAN 1

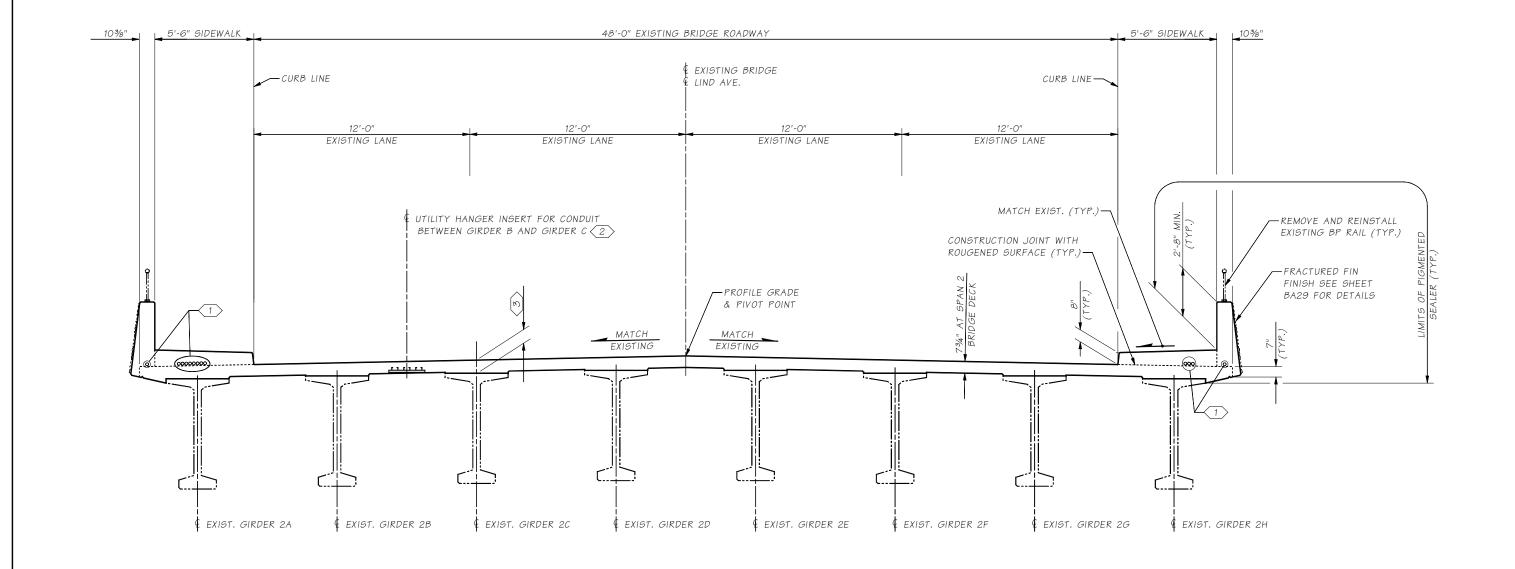
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TYPICAL SECTION AT SPAN 2

TRANSVERSE DIMENSIONS ARE NORMAL TO & GIRDER UNLESS OTHERWISE NOTED.

KEY NOTES:

- UTILITY SIZE AND LOCATIONS ARE APPROXIMATE.
 THE CONTRACTOR SHALL FIELD VERIFY.
 NEW CONDUITS AND NON-POPULATED
 CONDUITS SHALL BE INSTALLED IN
 ACCORDANCE WITH SECTION 8-20 (TYP.)
- 2 SEE "UTILITY HANGER DETAILS" SHEETS FOR INFORMATION NOT SHOWN.
- 3 734" AT & BEARING, MATCH EXISTING

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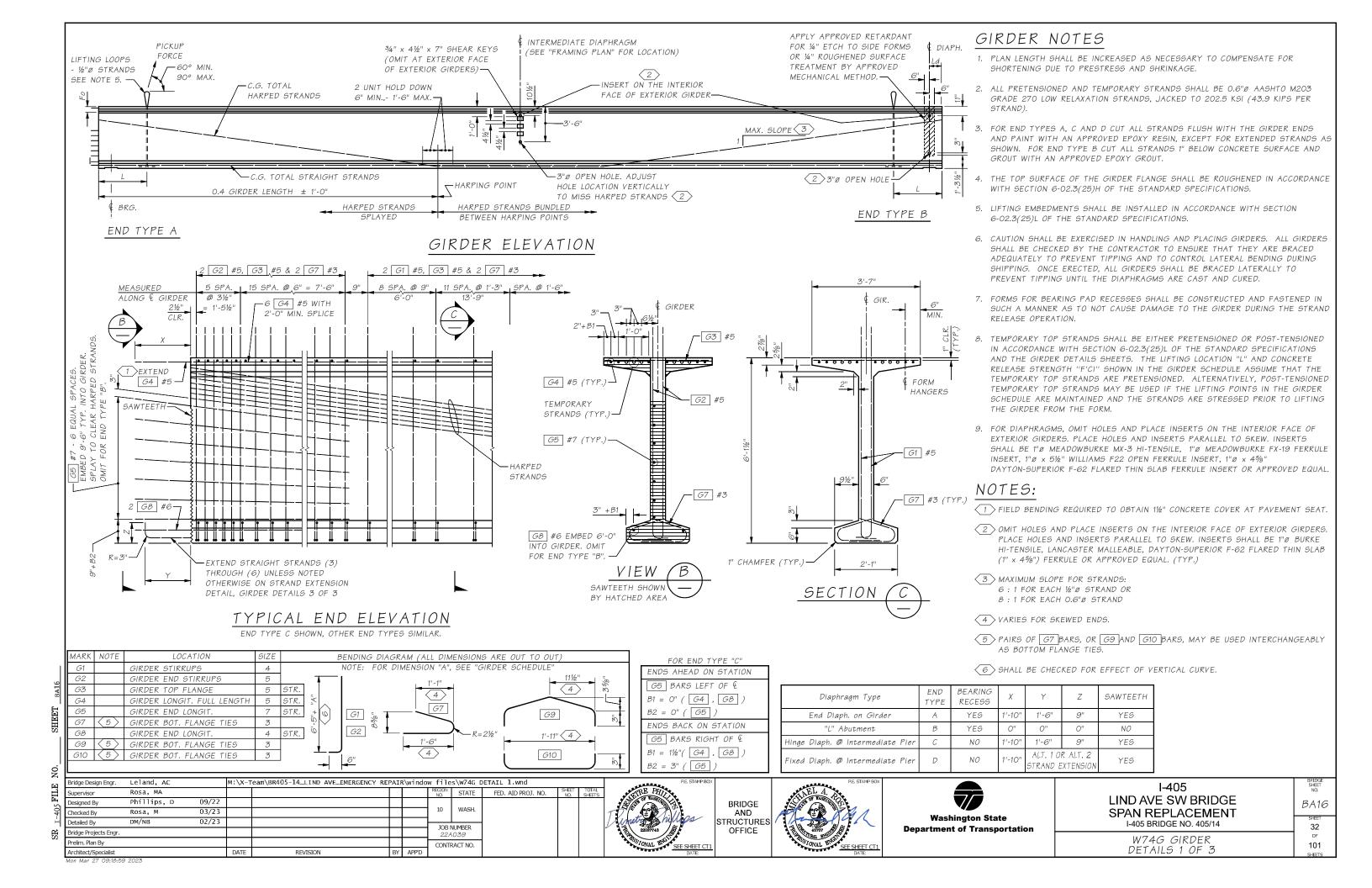
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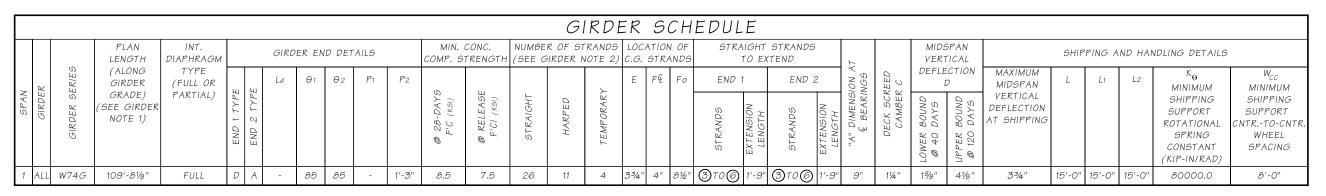


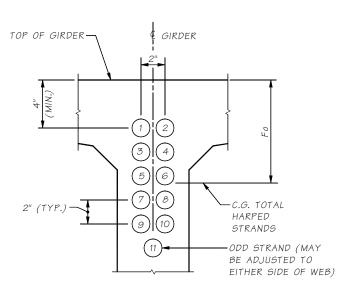


I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT I-405 BRIDGE NO. 405/14

TYPICAL SECTION SPAN 2 BA15
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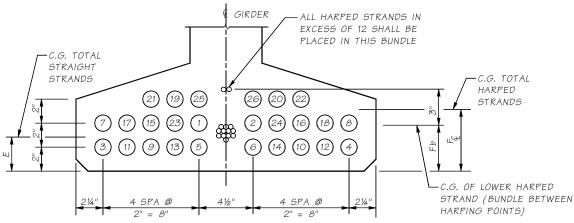






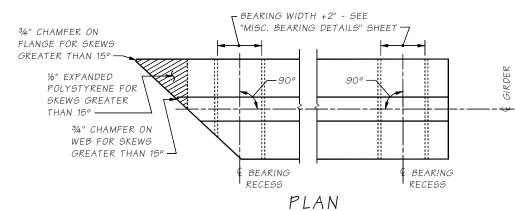
STRAND PATTERN AT GIRDER END

HARPED STRAND LOCATION SEQUENCE SHALL BE AS SHOWN (1), (2) ETC.

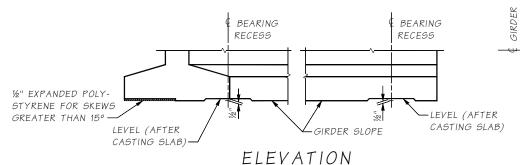


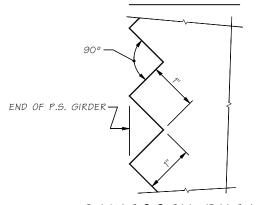
STRAND PATTERN AT & SPAN

STRAIGHT STRAND LOCATION SEQUENCE SHALL BE AS SHOWN (1), (2) ETC.

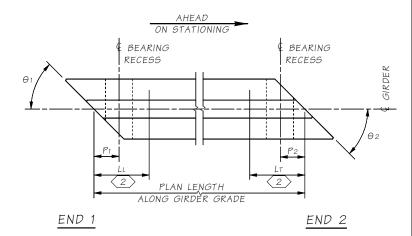


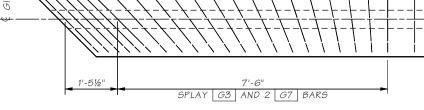
BEARING RECESS AND BOTTOM FLANGE SPALL PROTECTION





SAWTOOTH DETAILS





TRANSVERSE REINFORCING SKEWED ENDS

ONLY TRANSVERSE REINF. SHOWN

NOTES:

- 1 SAWTEETH ARE FULL WIDTH USE SAWTOOTH KEYS FROM BOTTOM OF BOTTOM FLANGE TO BOTTOM OF LOWEST HARPED STRAND AS WELL AS TOP FLANGE ADJACENT TO HARPED STRANDS AS SHOWN IN VIEW B GIRDER DETAILS 1 OF 3
- 2 LL AND LT ARE SHIPPING SUPPORT LOCATIONS AT LEADING AND TRAILING ENDS, RESPECTIVELY.

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	Architect/Specialist			DATE	REVISION	BY	APP'D						ĺ









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LIND AVE SW BRIDGE	
SPAN REPLACEMENT	
I-405 BRIDGE NO. 405/14	

W74G GIRDER DETAILS 2 OF 3

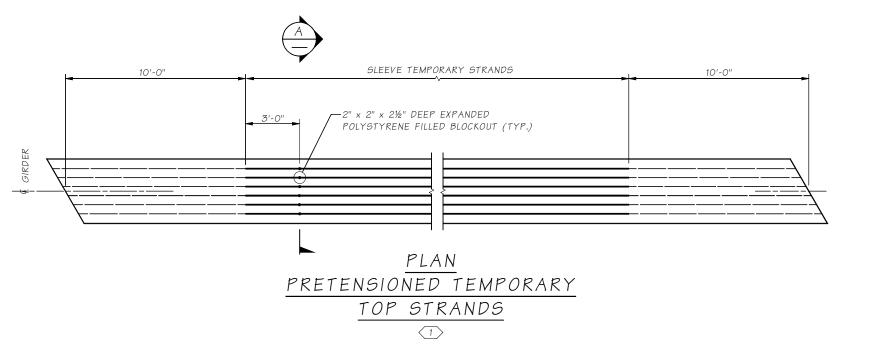
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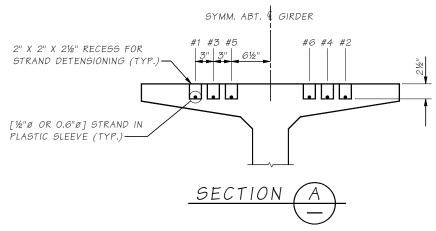
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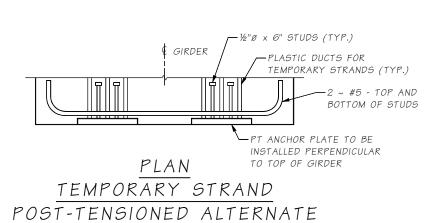
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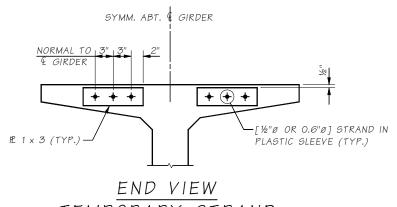
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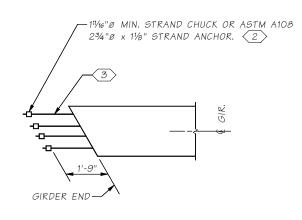






TEMPORARY STRAND POST-TENSIONED ALTERNATE

ADJUST G4 BARS TO CLEAR THE STEEL PLATE



STRAND EXTENSION DETAIL

NOTES:

- 1 POST-TENSIONED TEMPORARY TOP STRANDS SIMILAR, EXCEPT 10'-0"
 LENGTH OF BONDING OCCURS AT ONE END ONLY. THE OPPOSING END
 IS ANCHORED WITH PLATES AND STRAND CHUCKS. SEE "GIRDER
 SCHEDULE" FOR NUMBER OF TEMPORARY STRANDS REQUIRED.
- ANCHOR STRAND WITH WEDGES BEFORE GIRDER ERECTION. VERIFY WEDGES ARE SEATED TIGHTLY IMMEDIATELY BEFORE PLACING DIAPHRAGM CONCRETE.
- (3) EXTEND STRAIGHT STRANDS (3) THROUGH (6) AT END HEAD ON STATION. EXTEND STRAIGHT STRANDS (7) THROUGH (10) AT END BACK ON STATION.

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I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT I-405 BRIDGE NO. 405/14

W74G GIRDER

DETAILS 3 OF 3

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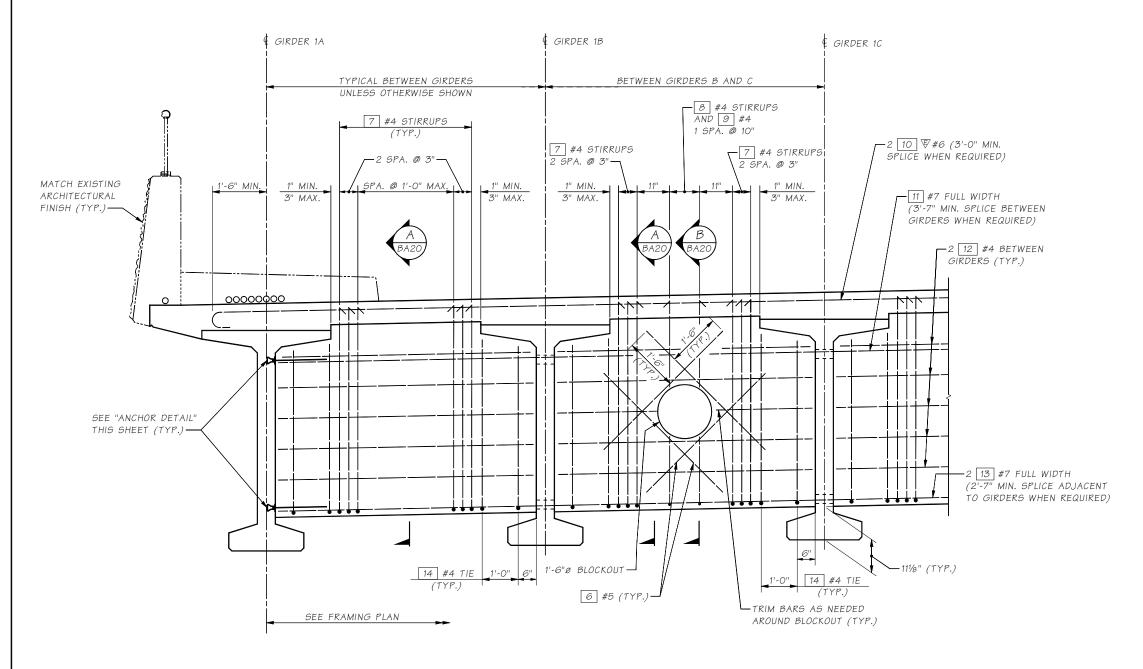
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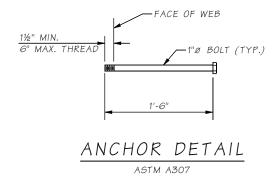
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DIAPHRAGM NOTES:

- GIRDERS SHALL BE HELD RIGIDLY IN PLACE WHEN DIAPHRAGMS ARE PLACED.
- IT MAY BE NECESSARY TO THREAD REINFORCING BARS THROUGH HOLES IN GIRDERS PRIOR TO PLACING EXTERIOR GIRDERS.
- 3. CUT/RELEASE GIRDER TEMPORARY STRANDS BEFORE CASTING DIAPHRAGM. SEE TEMPORARY STRAND CUTTING SEQUENCE.
- 4. LONGITUDINAL DIMENSIONS ARE NORMAL TO SKEW.
- 5. FOR CONCRETE PLACEMENT PROCEDURE SEE
 "SUPERSTRUCTURE CONSTRUCTION SEQUENCE" SHEET.



ELEVATION FULL DEPTH INTERMEDIATE DIAPHRAGM

DIMENSIONS ARE ALONG DIAPHRAGM

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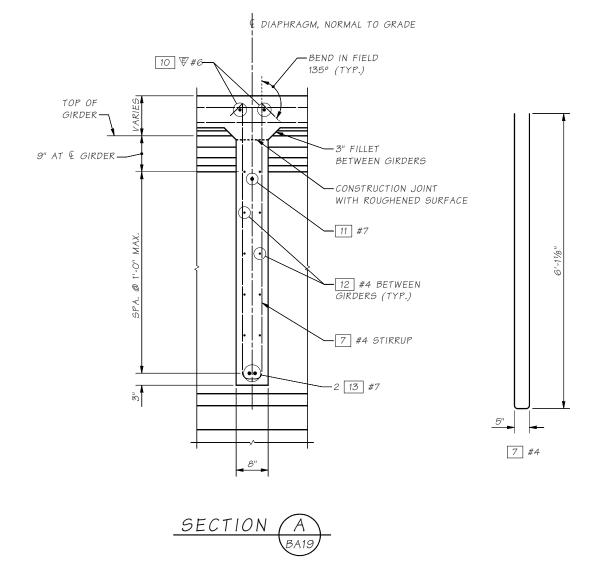
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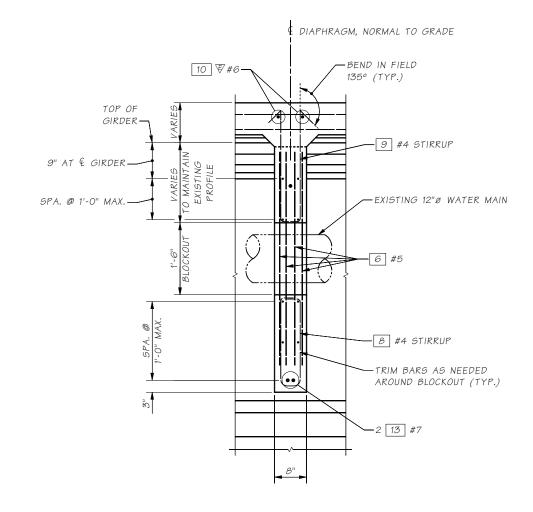
INTERMEDIATE DIAPHRAGM DETAILS 1 OF 2 BRIDGE
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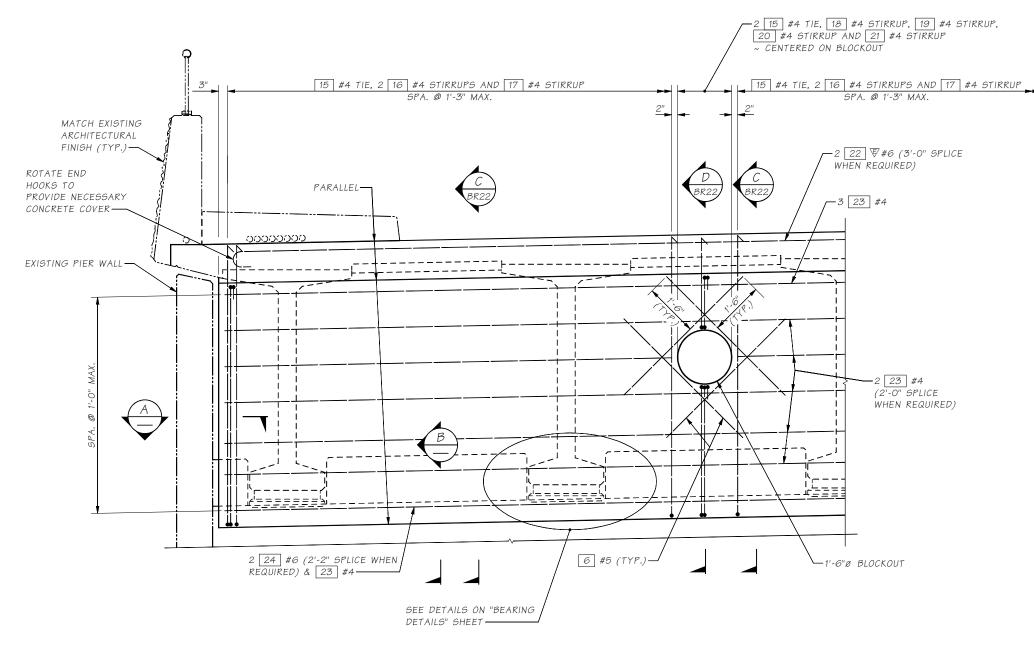




I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT I-405 BRIDGE NO. 405/14

INTERMEDIATE DIAPHRAGM DETAILS 2 OF 2

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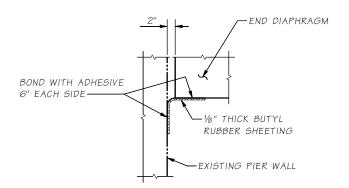


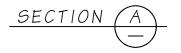
ELEVATION FULL DEPTH END DIAPHRAGM

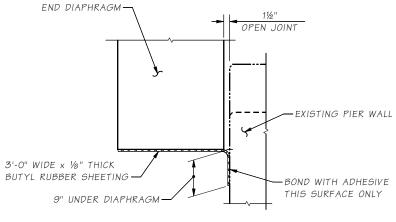
DIMENSIONS ARE ALONG DIAPHRAGM

DIAPHRAGM NOTES:

- 1. GIRDERS SHALL BE HELD RIGIDLY IN PLACE WHEN DIAPHRAGMS ARE PLACED.
- 2. CUT/RELEASE GIRDER TEMPORARY STRANDS BEFORE CASTING DIAPHRAGM. SEE TEMPORARY STRAND CUTTING SEQUENCE.
- 3. EXTENDED STRANDS AND GIRDER REINFORCING NOT SHOWN FOR CLARITY.









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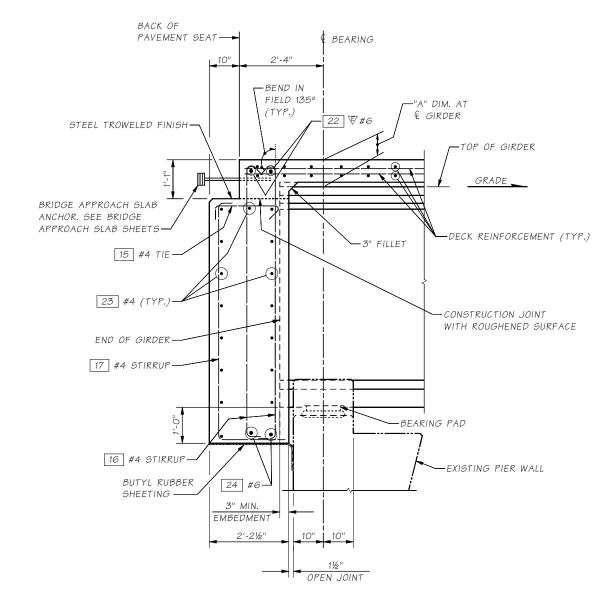
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LIND AVE SW BRIDGE
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I-405 BRIDGE NO. 405/14

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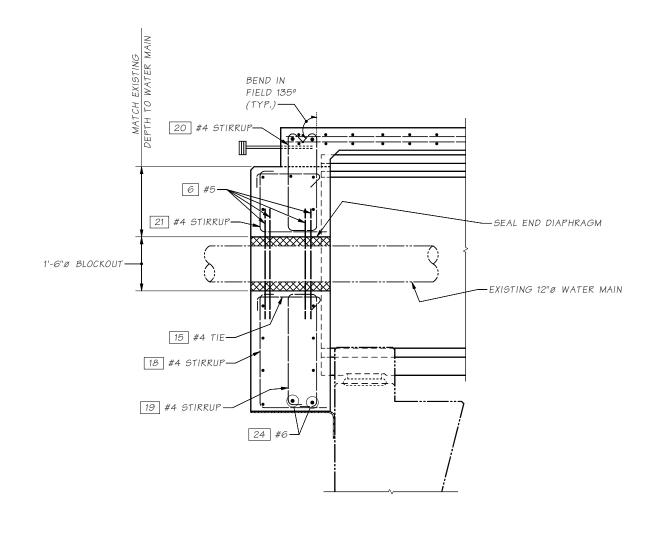
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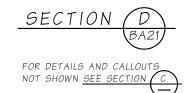
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SEE GIRDER SHEETS FOR DIMENSION "A". ALL LONGITUDINAL DIMENSIONS ARE NORMAL TO PIER WALL.





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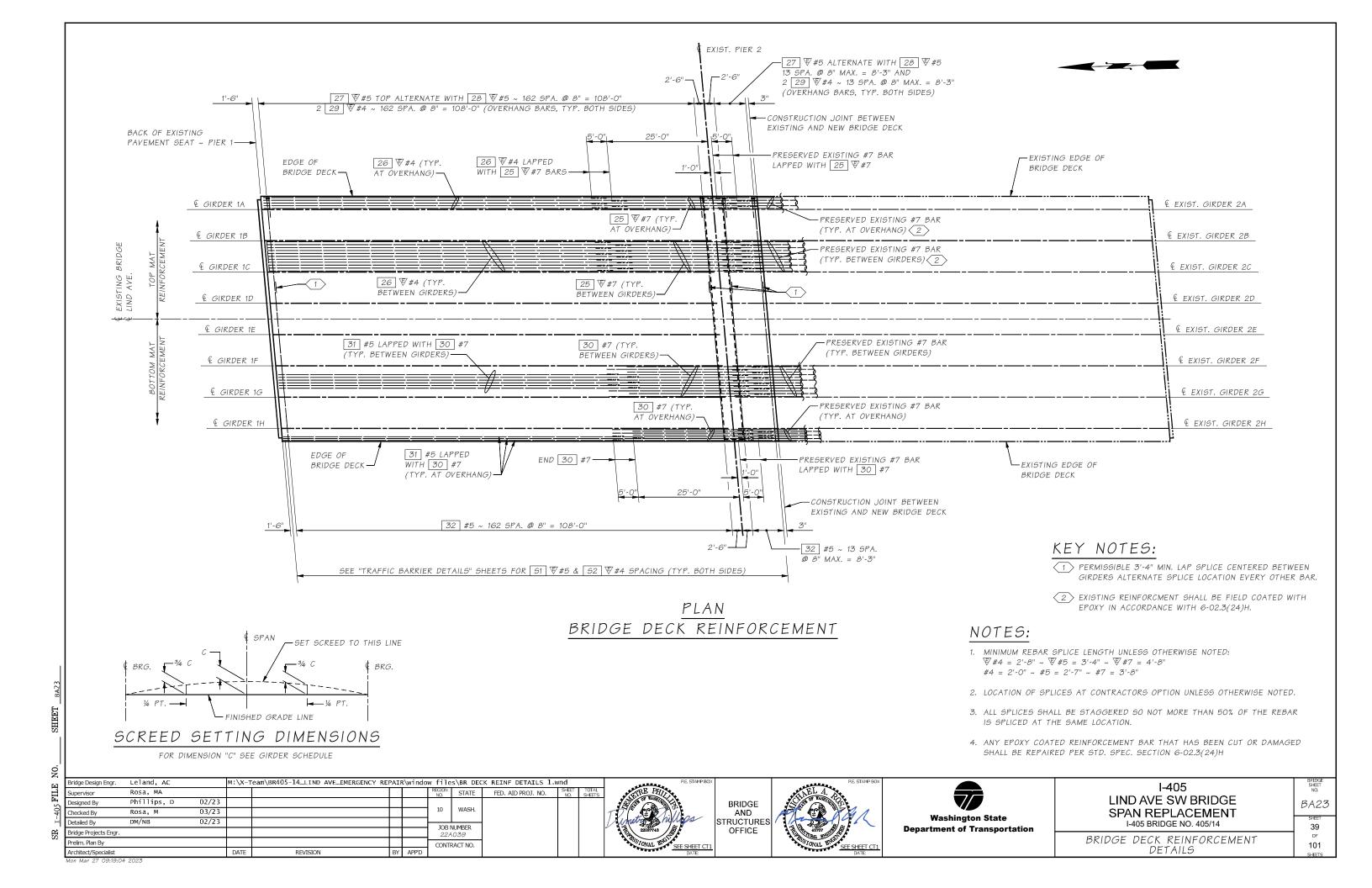
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LIND AVE SW BRIDGE
SPAN REPLACEMENT
I-405 BRIDGE NO. 405/14

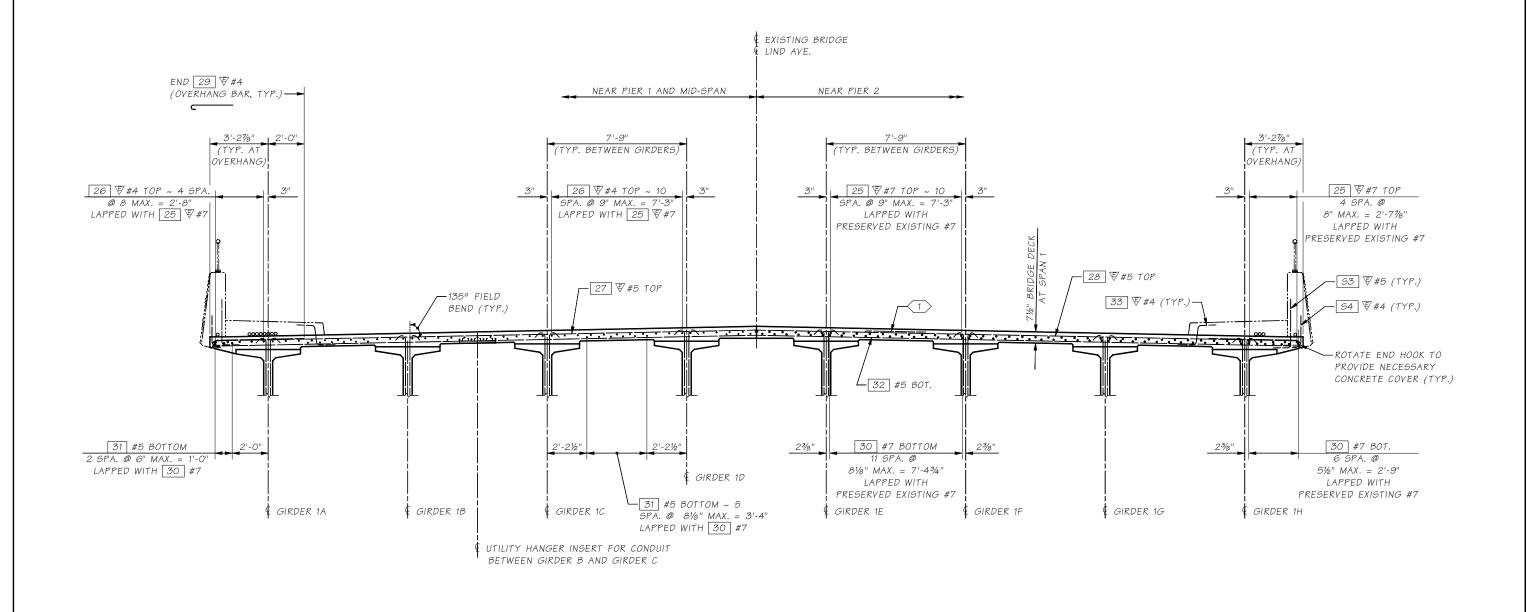
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BRIDGE DECK REINFORCEMENT SECTION AT SPAN 1

TRANSVERSE DIMENSIONS ARE NORMAL TO & GIRDERS

KEY NOTE:

PERMISSIBLE 2'-6" MIN. LAP SPLICE CENTERED BETWEEN
GIRDERS ALTERNATE SPLICE LOCATION EVERY OTHER BAR.

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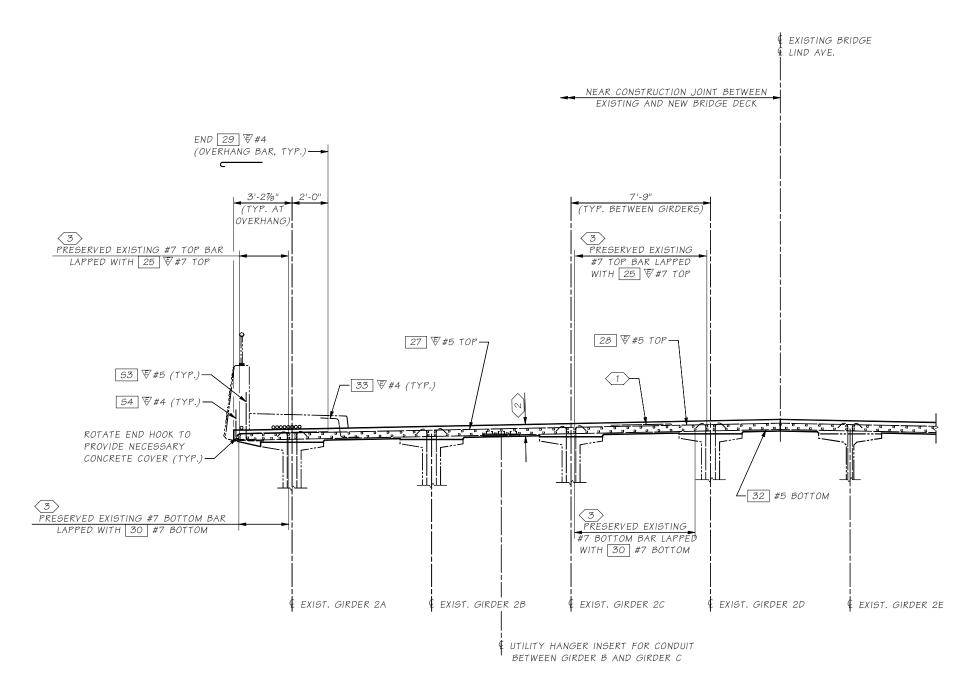




I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT I-405 BRIDGE NO. 405/14

40 BRIDGE DECK REINFORCEMENT DETAILS 1 OF 2 101

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BRIDGE DECK REINFORCEMENT SECTION AT SPAN 2

SHOWN NEAR CONSTRUCTION JOINT BETWEEN EXISTING AND NEW BRIDGE DECK.

TRANSVERSE DIMENSIONS ARE NORMAL TO & GIRDERS.

KEY NOTES:

- 1 PERMISSIBLE 2'-6" MIN. LAP SPLICE CENTERED BETWEEN GIRDERS ALTERNATE SPLICE LOCATION EVERY OTHER BAR.
- 2 734" BRIDGE DECK IS AS-BUILT CONDITION. TOP OF NEW BRIDGE DECK SHALL BE FLUSH WITH EXISTING BRIDGE DECK.
- 3 EXISTING REINFORCEMENT SHALL BE FIELD COATED WITH EPOXY IN ACCORDANCE WITH 6-02.3(24)H.

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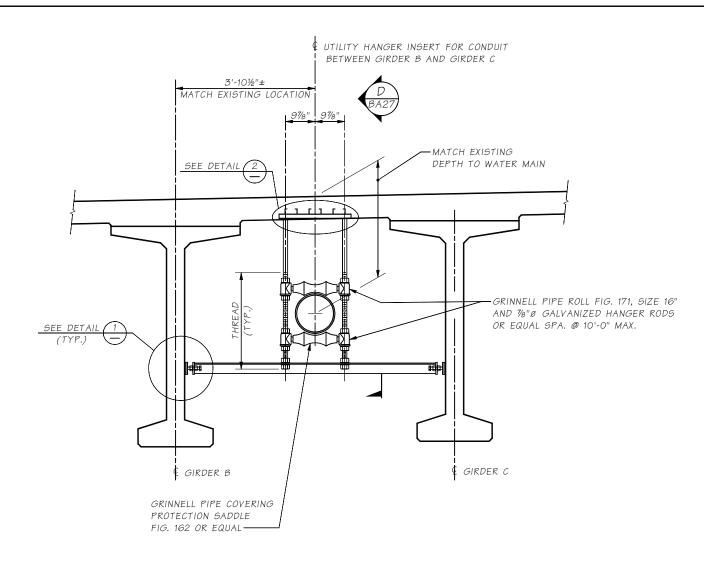


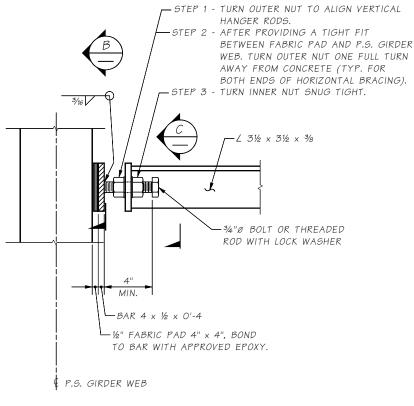




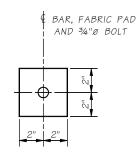
I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT I-405 BRIDGE NO. 405/14

BRIDGE DECK REINFORCEMENT DETAILS 2 OF 2 BA25
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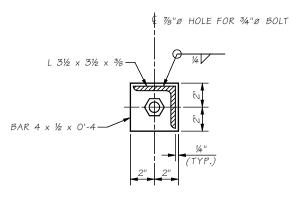






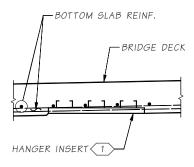




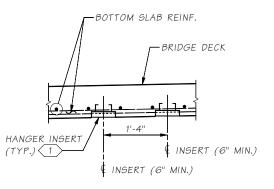




UTILITY HANGER SUPPORT WITH TRANSVERSE SUPPORT









NOTE:

ALL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M 111 OR AASHTO M232.

KEY NOTES:

1 COOPER B-LINE B22-1-24, POWERSTRUT PS 349-2'-0" UNISTRUT P3256, OR APPROVED EQUAL (TYP.) WITH SPRING NUT. CHASE THREADS ON HANGER ROD FOR THREAD COMPATIBILITY WITH SPRING NUT. INSERT TO BE INSTALLED LEVEL LONGITUDINALLY AND TRANSVERSELY. PLACE INSERT TO PROVIDE FOR TRANSVERSE ADJUSTMENT OF HANGER RODS. HANGER RODS SHALL NOT BE WITHIN 2" OF THE END OF THE INSERT. TWO INSERTS MAY BE USED TO ACCOMMODATE SUPERELEVATION.

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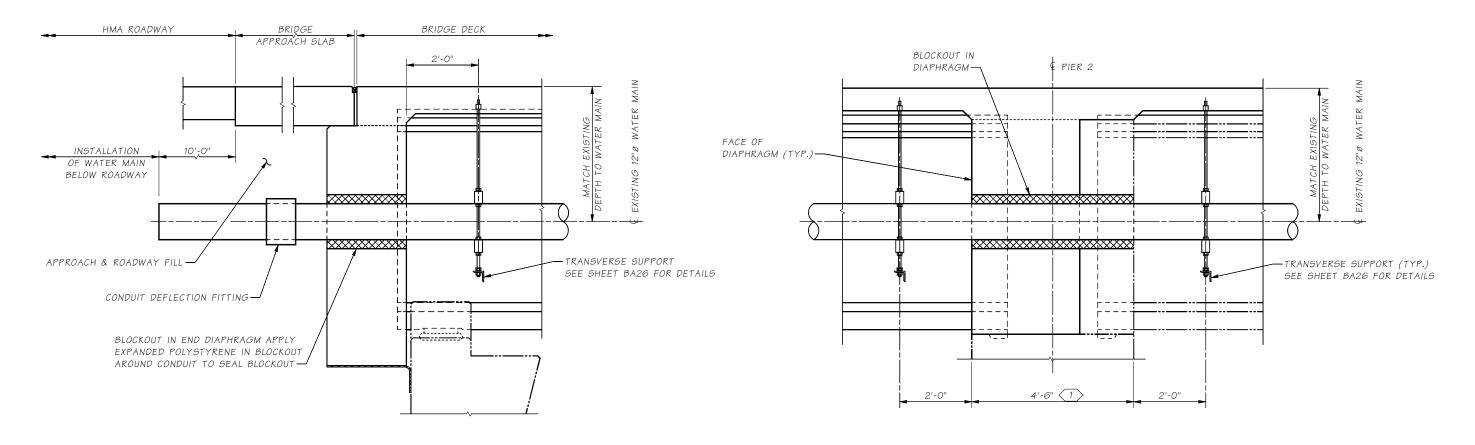


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> UTILITY HANGER DETAILS 1 OF 2

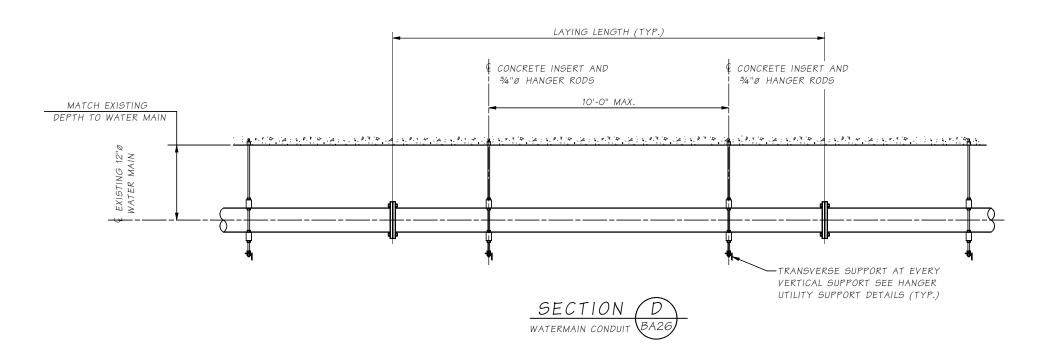
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WATER MAIN CONDUIT PLACEMENT DETAIL AT PIER 1

WATER MAIN CONDUIT PLACEMENT DETAIL AT PIER 2



GENERAL NOTES:

- SET POSITION OF EXPANSION FITTING BASED ON MANUFACTURER RECOMMENDATIONS AND TEMPERATURE AT TIME OF INSTALLATION.
- 2. EXPANSION FITTINGS SHALL BE INSTALLED EVERY 100'-0" MAX, AND SHALL ACCOMMODATE 5.1 INCHES OF MOVEMENT. THE DESIGN TEMPERATURE RANGE IS 125 DEGREES (-15° TO 110°).
- 3. SEE TRAFFIC BARRIER SHEETS FOR CONDUIT DEFLECTION FITTING A DETAIL.

NOTE:

1 DIMENSION MAY BE INCREASED IF REQUIRED FOR GEOMETRY

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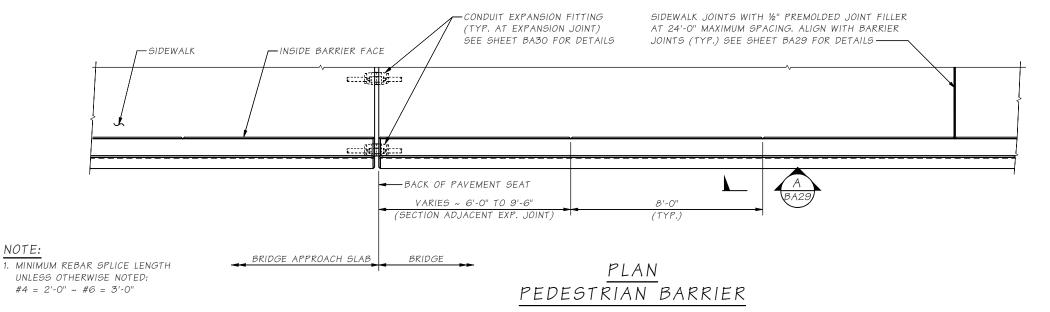


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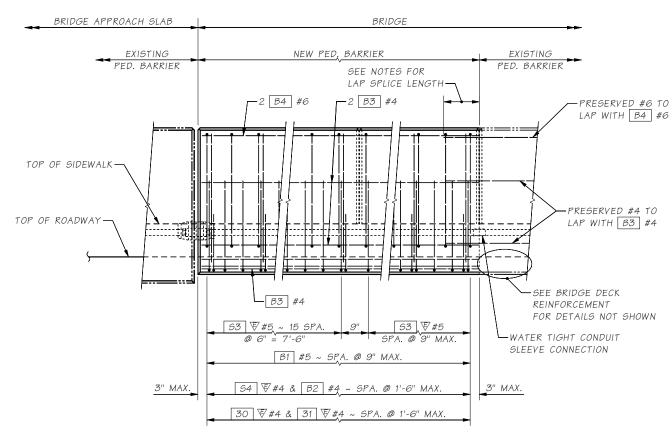
UTILITY HANGER DETAILS 2 OF 2 BA27
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CONSTRUCTION JOINTS WITH SHEAR KEYS ARE PERMISSIBLE AT DUMMY JOINT LOCATIONS.
FORM JOINTS BETWEEN DUMMY JOINTS SHALL NOT BE PERMITTED.

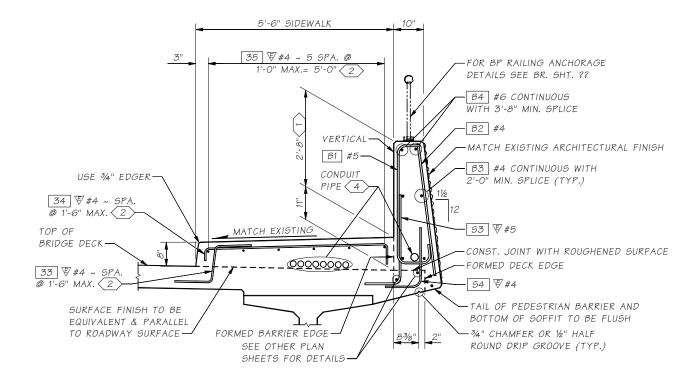
KEY NOTES:

- 1) MIN. HEIGHT. PEDESTRIAN BARRIER HEIGHT MAY VARY IF REQUIRED TO PROVIDE A SMOOTH PROFILE.
- 2 INCLUDED IN SUPERSTRUCTURE BARLIST.
- 3 PROVIDE 76" Ø ROCKET/KOHLER F-50, LANCASTER MALLEABLE, OR DAYTON/RICHMOND F-62 FLARED THIN SLAB FERRULE INSERTS OR APPROVED EQUAL (TYP.). RESIN-BONDED ANCHORS MAY BE SUBSTITUTED.
- 4 UTILITY SIZE AND LOCATIONS ARE APPROXIMATE.
 THE CONTRACTOR SHALL FIELD VERIFY. NEW CONDUITS
 AND NON-POPULATED CONDUITS SHALL BE INSTALLED
 IN ACCORDANCE WITH SECTION 8-20 (TYP.)



OUTSIDE ELEVATION END OF PEDESTRIAN BARRIER

SHOWN WITH BRIDGE APPROACH SLAB



TYPICAL SECTION PEDESTRIAN BARRIER

SHOWN ON BRIDGE

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BRIDGE AND STRUCTURES OFFICE



I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT I-405 BRIDGE NO. 405/14

PEDESTRIAN BARRIER DETAILS 1 OF 4

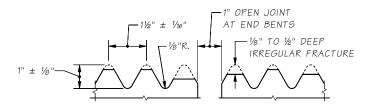
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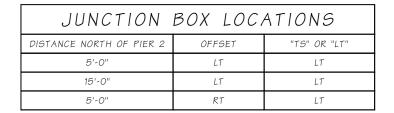
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EXISTING FRACTURED FIN FINISH

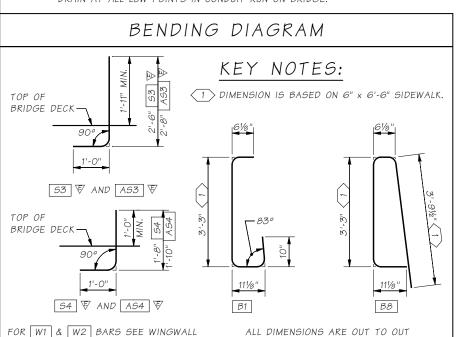
CONTRACTOR TO VERIFY BEFORE ORDERING MATERIALS

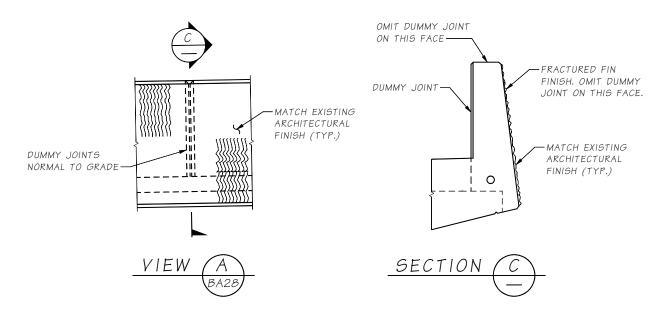


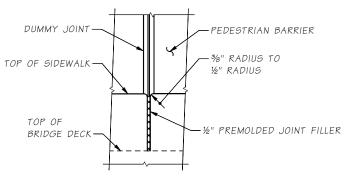
TS = TRAFFIC SYSTEM LT = LIGHTING SYSTEM

JUNCTION BOX LOCATIONS SHOWN ARE APPROXIMATE. CENTER JUNCTION BOX INSTALLATION BETWEEN BARRIER DUMMY JOINTS.

INSTALL ALL CONDUIT RUNS TO DRAIN TO A BRIDGE END OR PROVIDE DRAIN AT ALL LOW POINTS IN CONDUIT RUN ON BRIDGE.

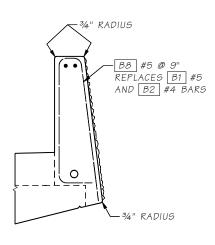






SIDEWALK JOINT DETAIL

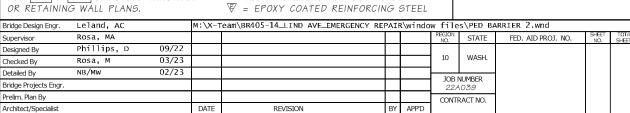
SIDEWALK REINFORCING STEEL NOT SHOWN FOR CLARITY.



SLIPFORM

SEE TYPICAL SECTION - PEDESTRIAN BARRIER FOR ADDITIONAL DETAILS

THE CONTRACTOR IS ADVISED THAT THE SLIPFORM CONSTRUCTION METHOD IS A PATENTED PROPRIETARY PROCESS FOR BARRIERS WITH A FRACTURED FIN FINISH.



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I-405 BRIDGE NO. 405/14

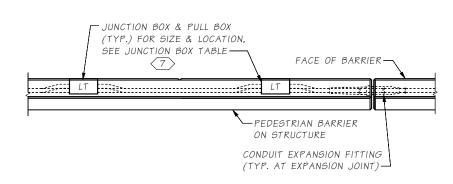
PEDESTRAIN BARRIER DETAILS 2 OF 4

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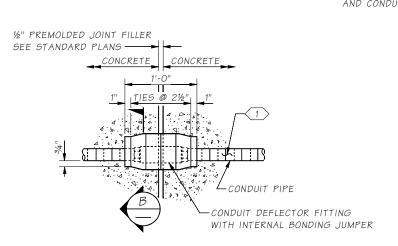
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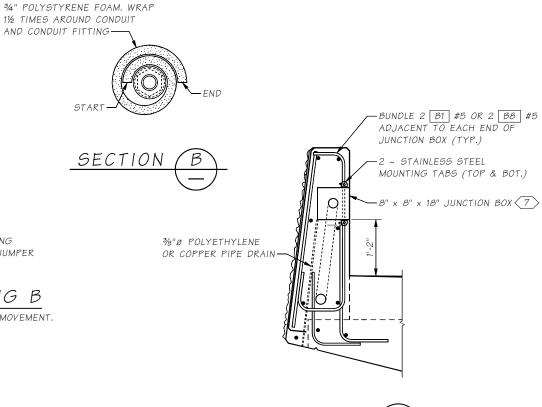
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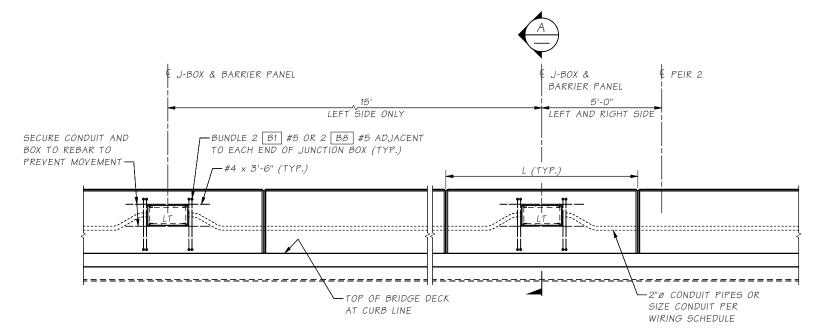
PLAN
CONDUITS & J-BOX IN PEDESTRIAN BARRIER



CONDUIT DEFLECTION FITTING B CONDUIT FITTING - TYPE DX FOR DEFLECTION OF 30° AND 34" MOVEMENT



SECTION A



<u>ELEVATION</u> CONDUITS & J-BOX IN PEDESTRIAN BARRIER

MEASUREMENTS TAKEN ALONG FACE OF BARRIER

4

KEY NOTES:

- WHERE CONDUIT IN A STRUCTURE IS ROUTED ACROSS A JOINT, WRAP STEEL CONDUIT PIPE FOR 1'-O" ON EACH SIDE OF JOINT. PIPE WRAP TAPE SHALL BE 2" WIDE, 20 MIL THICK, AND INSTALLED WITH A MINIMUM OF 1" OVERLAP.
- 2 PLACE AT CONDUIT PIPE EXIT FROM STRUCTURE AND SHALL BE IN NEUTRAL STATE AFTER INSTALLATION.
- 3 CONDUIT PIPES PLACED THROUGH RETAINING WALL PEDESTRIAN BARRIER SHALL BE FITTED WITH DEFLECTION FITTINGS AT A MAXIMUM SPACING OF 120'.
 THE DEFLECTION FITTINGS SHALL BE PLACED AT THE PEDESTRIAN BARRIER OPEN JOINT THAT COINCIDES WITH THE RETAINING WALL EXPANSION JOINT.
- 4 LABEL JUNCTION BOX COVER IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 9-29.2(4). ADJACENT JUNCTION BOXES ARE SHOWN CENTERED BETWEEN ADJACENT DUMMY JOINTS. IF THE DISTANCE BETWEEN ADJACENT DUMMY JOINTS IS 16'-0" OR GREATER, PLACE ADJACENT JUNCTION BOXES SYMMETRICALLY ON EITHER SIDE OF THE CENTER OF ONE DUMMY PANEL WHILE MAINTAINING 8'-0" MINIMUM BETWEEN CENTER LINES OF THE JUNCTION BOXES.
- (5) TERMINATE STEEL CONDUIT IN JUNCTION BOX IF LESS THAN 10-'0" FROM ELBOW OR SWEEP.
- 6 INSTALL ONLY WHERE CONDUIT IS HORIZONTAL.
- 7 NEMA 4X IN STATIONARY FORM BARRIER, OR NEMA 3R IN SLIP FORM BARRIER. MOUNT JUNCTION BOX SO COVER IS FLUSH WITH BARRIER, CAN BE RECESSED UP TO 1/8".
- 8 3'-O" LONG EXPANDED POLYSTYRENE SLEEVE AROUND CONDUIT. DUCT TAPE SEAMS AND ENDS TO SEAL AND PREVENT CONCRETE FROM BONDING WITH FITTING AND CONDUIT.

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BRIDGE AND STRUCTURES OFFICE

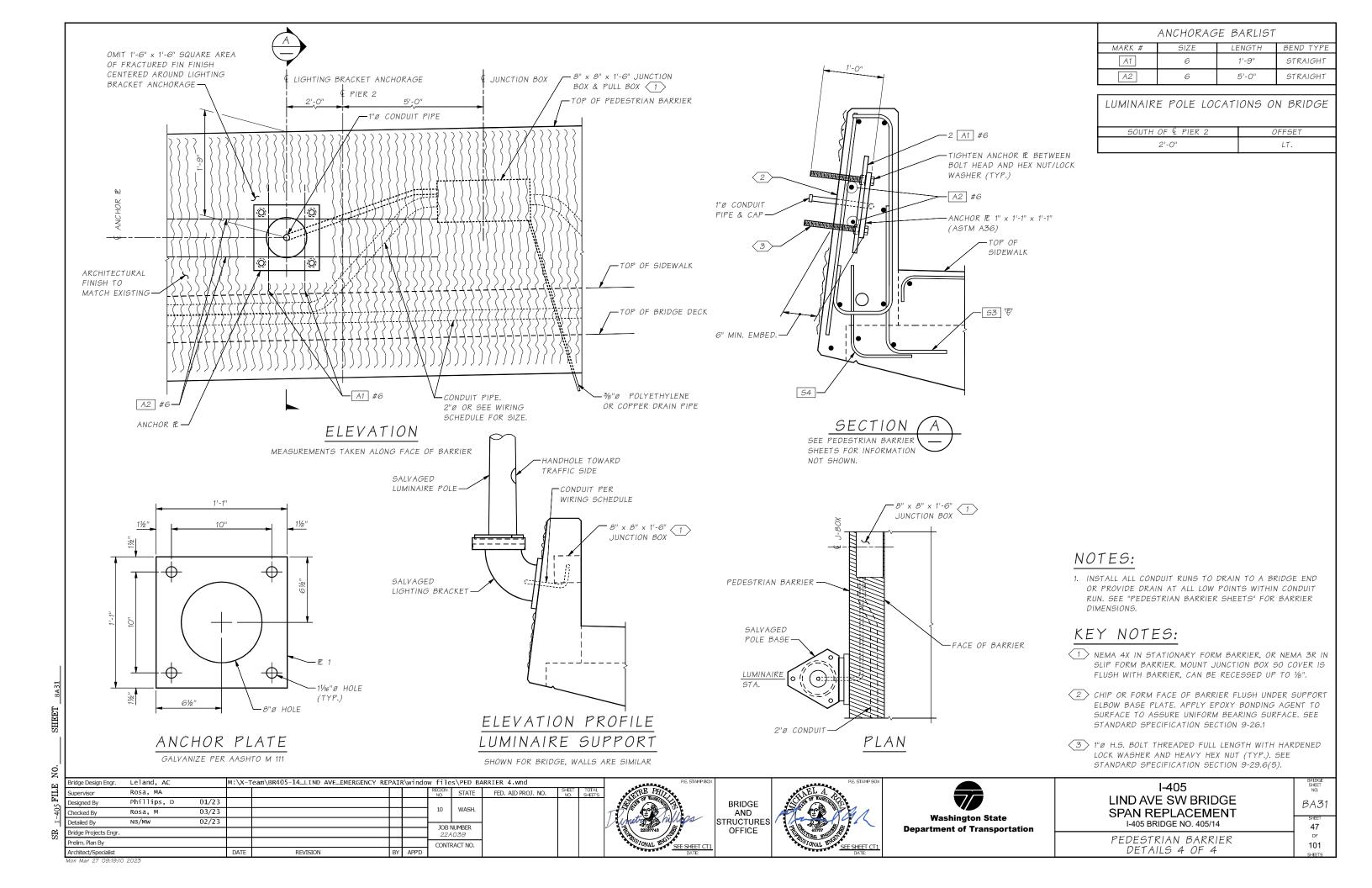




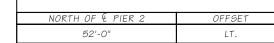
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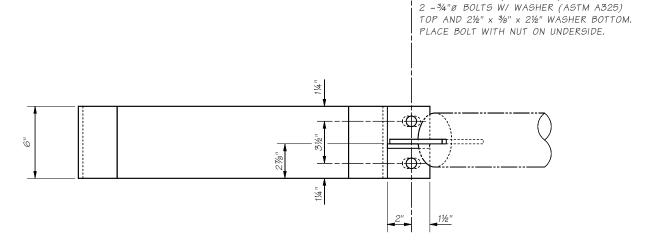
PEDESTRIAN BARRIER DETAILS 3 OF 4 SHEET 46
OF 101
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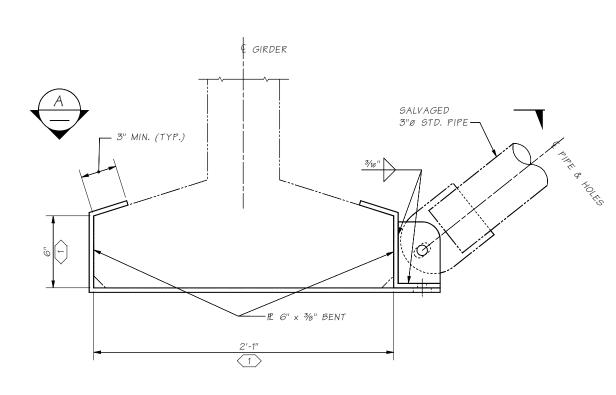




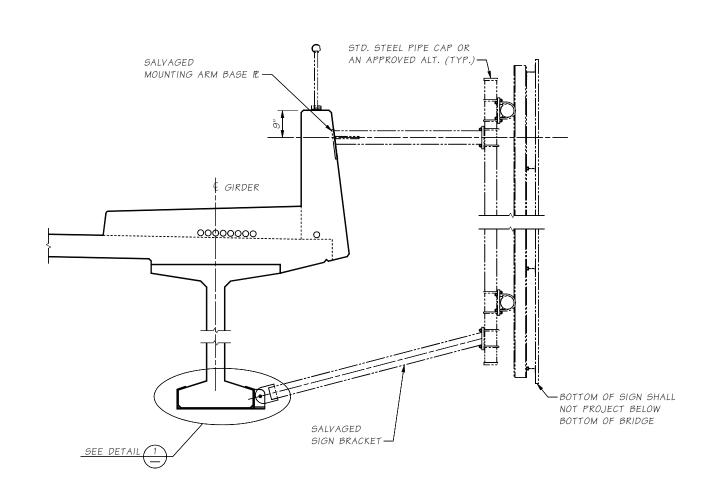


SECTION

2 ~ % " x 1½ " SLOTTED HOLES (BOT. PLATE) 2 ~% "Ø HOLES (TOP PLATE)







TYPICAL SECTION

NOTES:

1 CONTRACTOR TO FIELD VERIFY PRIOR TO FABRICATION

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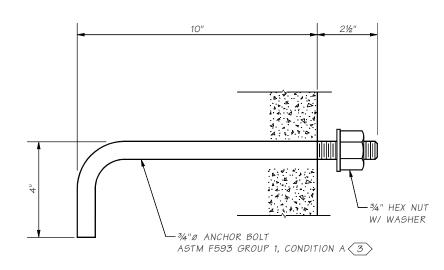
I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT I-405 BRIDGE NO. 405/14

BRIDGE MOUNTED SIGN BRACKET DETAILS 1 OF 2

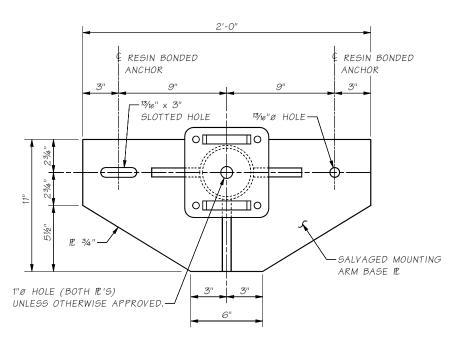
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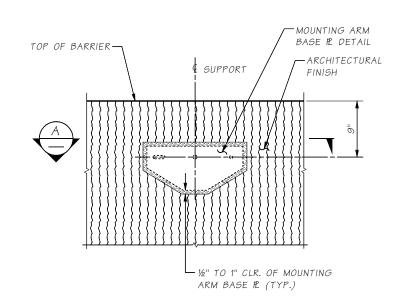
RESIN BONDED ANCHOR DETAIL



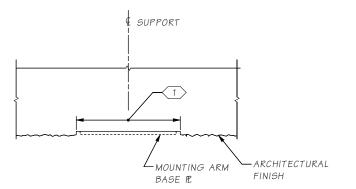
ALTERNATE ANCHOR DETAIL

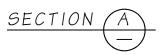


MOUNTING ARM BASE P DETAIL



ARCHITECTURAL FINISH TREATMENT





NOTES:

- (1) CHIP OR BLOCK OUT FACE OF BARRIER FLUSH UNDER BRACKET SUPPORT ARM BASE PLATE. APPLY EPOXY BONDING AGENT TO SURFACE FOR UNIFORM BEARING.
- 2 INSTALL RESIN BONDED ANCHOR NORMAL TO CONCRETE SURFACE.
- 3 INSTALL ANCHOR NORMAL TO CONCRETE SURFACE. FOR NEW CONSTRUCTION ONLY.
- 4 APPLY EPOXY BONDING AGENT TO SRUFACE FOR UNIFORM BEARING.

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BRIDGE AND STRUCTURES OFFICE





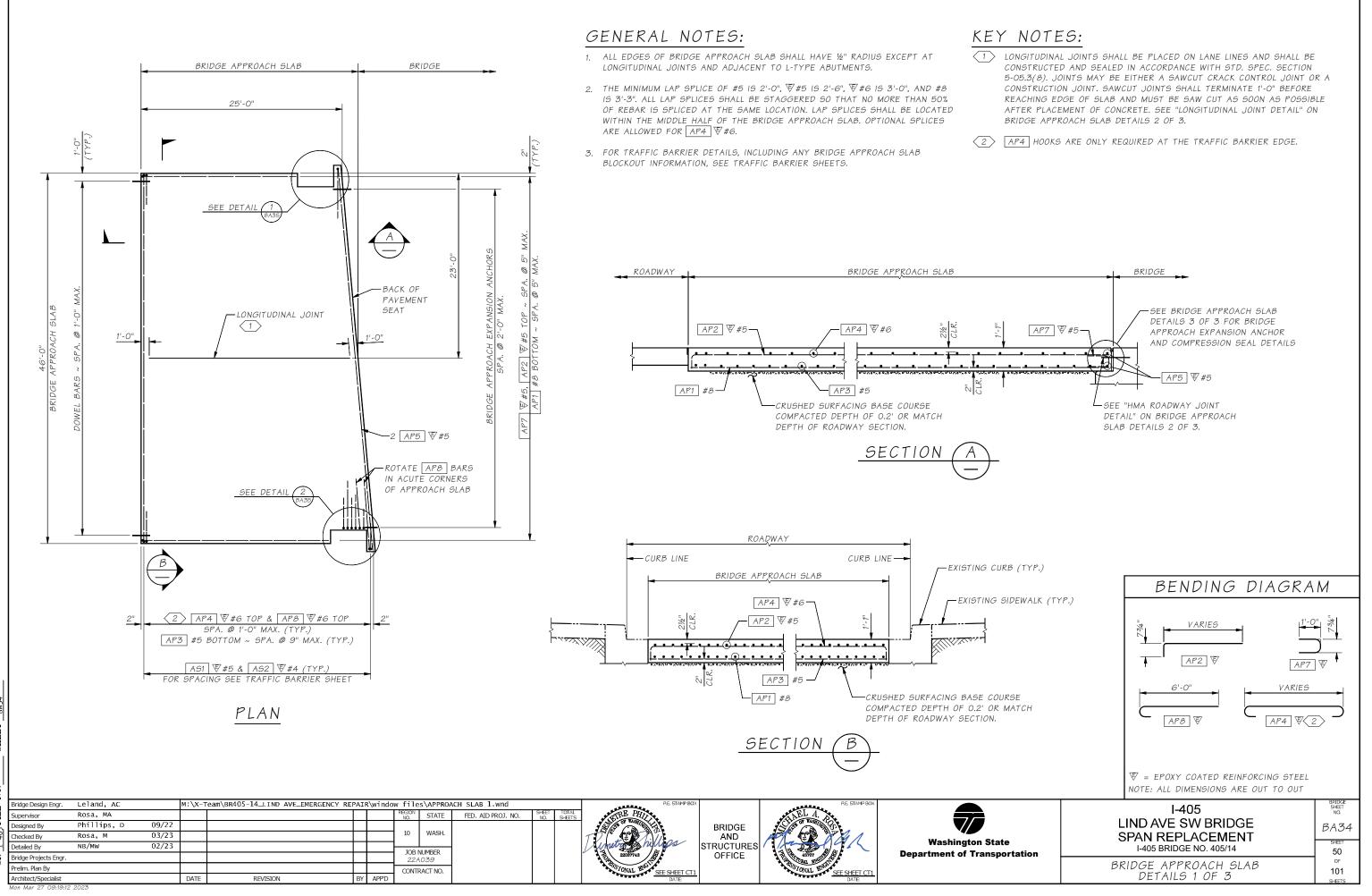
I-405 LIND AVE SW BRIDGE SPAN REPLACEMENT I-405 BRIDGE NO. 405/14

BRIDGE MOUNTED SIGN BRACKET DETAILS 2 OF 2 49 of 101

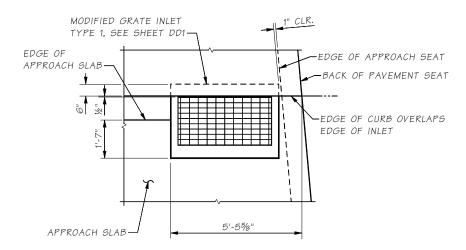
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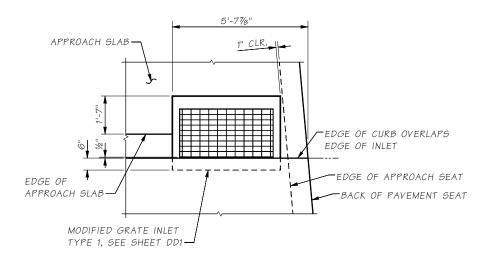
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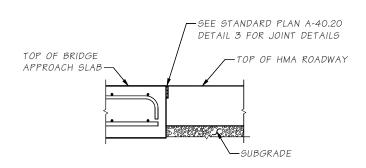


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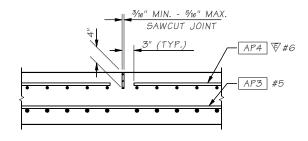




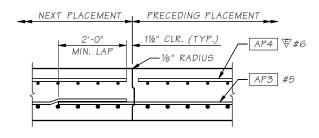




HMA ROADWAY JOINT DETAIL



LONGITUDINAL JOINT DETAIL



ALTERNATE LONGITUDINAL JOINT DETAIL

EDGE PRECEDING PLACEMENT ONLY WITH 1/8" RADIUS.

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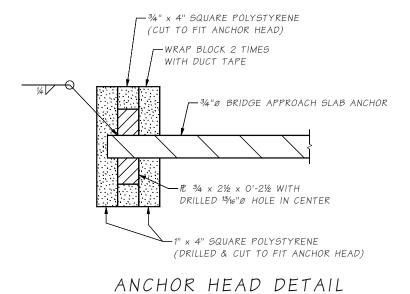
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BRIDGE APPROACH SLAB DETAILS 2 OF 3

BA35

51

APPROACH EXPANSION ANCHOR - METHOD A



BRIDGE APPROACH SLAB BRIDGE 1"ø x 10" MIN. LONG POLYETHYLENE OR PVC PIPE -8" MIN. EMBED. SEE "ANCHOR HEAD DETAIL" ON THIS SHEET. --%"ø x 8" MIN. HOLE -34"ø x 1'-10" BRIDGE APPROACH SLAB ANCHOR, THREADED 8" MINIMUM SET WITH EPOXY RESIN PAVEMENT SEAT, COVER -EXPANDED POLYSTYRENE WITH ONE LAYER 15 LBS. x FULL LENGTH OF JOINT ASPHALTIC BUILDING FELT -BENEATH COMPRESSION SEAL

APPROACH EXPANSION ANCHOR - METHOD B

GENERAL NOTES:

- 1. ALL METAL PARTS OF THE APPROACH EXPANSION ANCHOR SHALL RECEIVE ONE COAT OF PAINT CONFORMING TO STANDARD SPECIFICATION SECTION 9-08.1(2)F OR BE GALVANIZED IN ACCORDANCE WITH AASHTO M 232.
- 2. BRIDGE APPROACH SLAB ANCHORS SHALL BE INSTALLED PARALLEL TO ROADWAY AND TO EACH OTHER.

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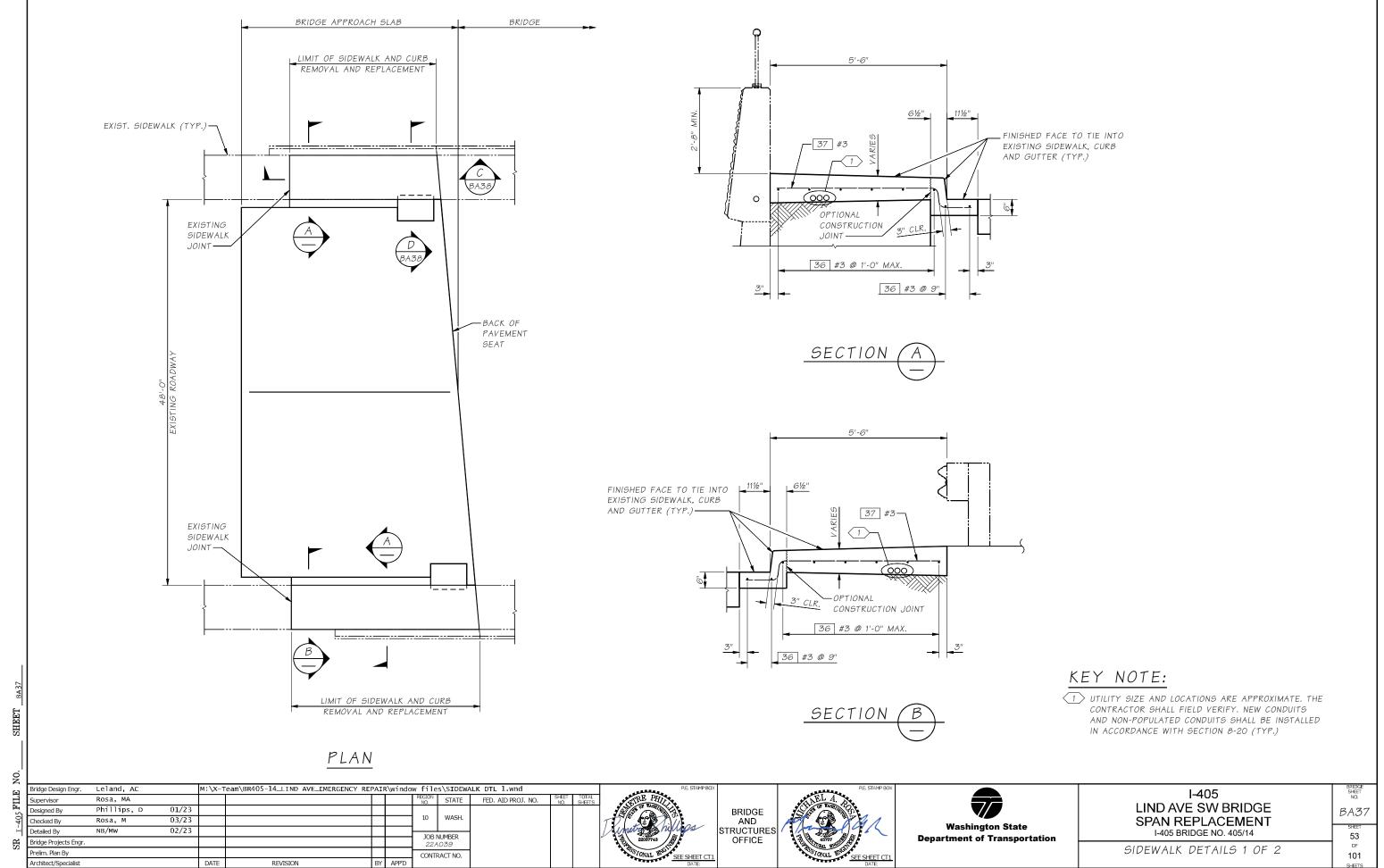


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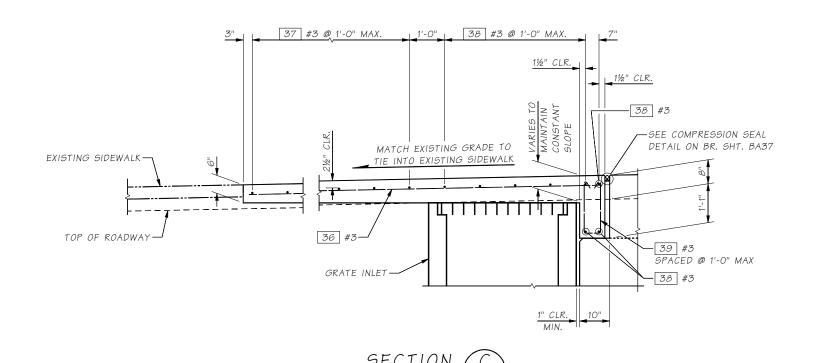
BRIDGE APPROACH SLAB DETAILS 3 OF 3

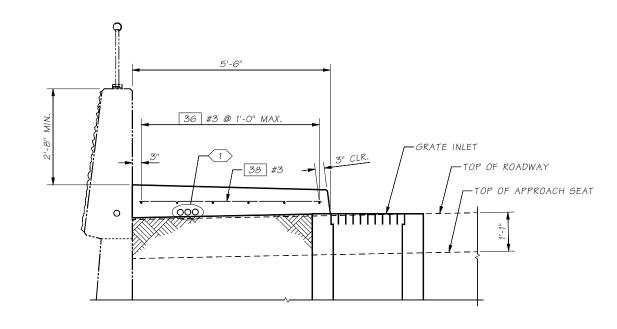
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KEY NOTE:

1 UTILITY SIZE AND LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY. NEW CONDUITS AND NON-POPULATED CONDUITS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 8-20 (TYP.)

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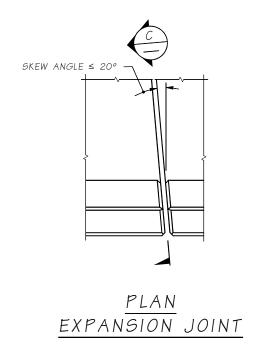
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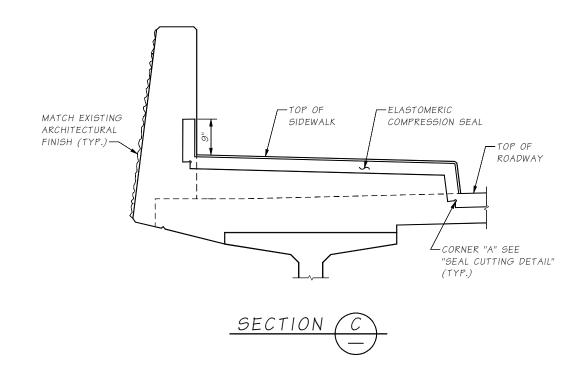
SIDEWALK DETAIL 2 OF 2

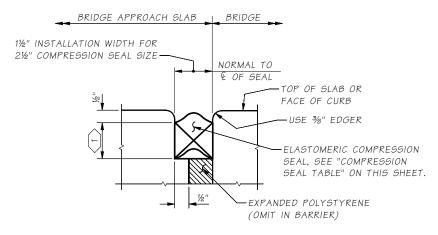
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COMPRESSION SEAL DETAIL

EXPANSION JOINT AT BACK OF PAVEMENT SEAT

-COMPRESSION SEAL 14" THICK SYNTHETIC CLOSED CELL — DRILL ½"Ø HOLE THRU SEAL. EXPANDED RUBBER JOINT FILLER MAKE SURE THE TOP MEMBRANE CEMENTED TO JOINT SEAL AT END-IS NOT DAMAGED WHEN CUTTING OUT THE WEDGE 2/3 H-O° CORNER "A" SEAL CUTTING DETAIL

COMPRESSION SEAL TABLE

	D.S. BR	ROWN	WATSON BOWMAN ACME							
	SEAL	WIDTH	SEAL	WIDTH						
Ī	CV-2502	2½	WA-250	21/2						

TESTING SHALL BE PER ASTM D 2628 PRIOR TO USE.

(1)	FULLY	COMPRESS	3E
	MANUF	FACTURER,	VE

KEY NOTE:

ED SEAL HEIGHT, SEAL HEIGHT VARIES WITH VERIFY PRIOR TO SLAB CONSTRUCTION

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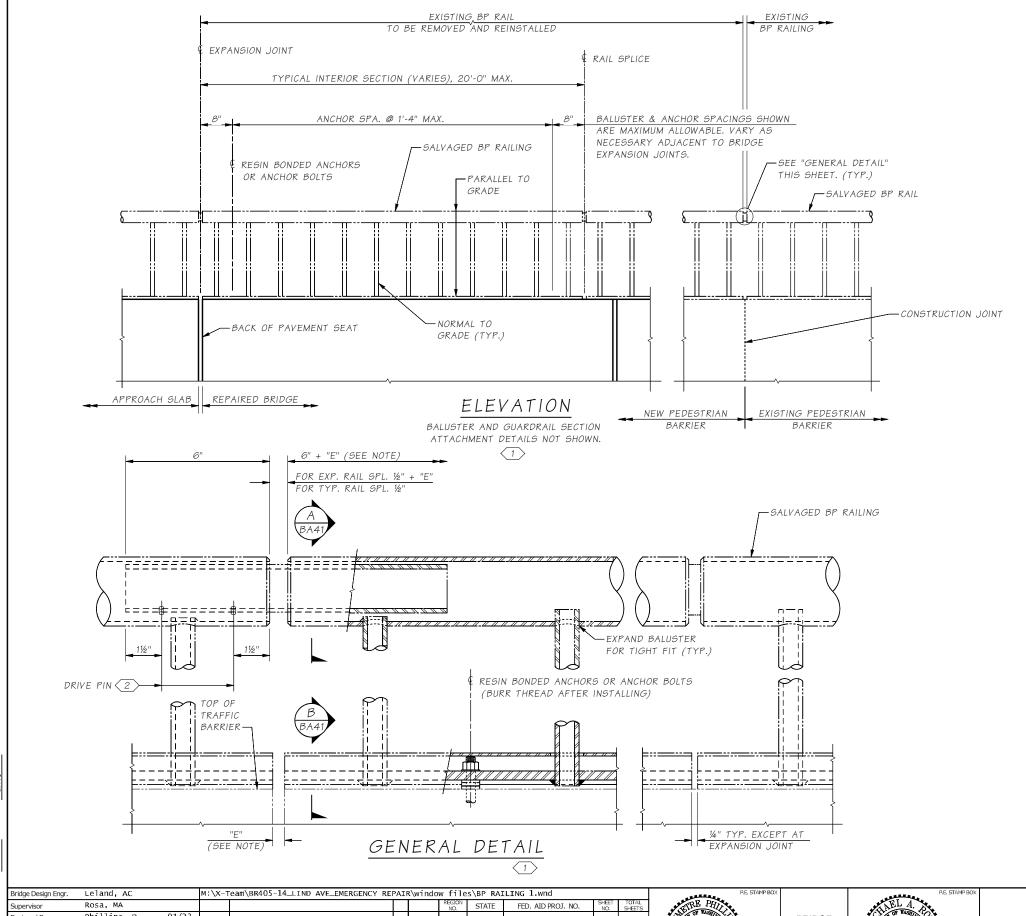


I-405
LIND AVE SW BRIDGE
SPAN REPLACEMENT
I-405 BRIDGE NO. 405/14

EXPANSION JOINT DETAILS

BA39

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KEY NOTE

- 1 DIMENSIONS AND SPACING SHOWN ON DETAIL TO MATCH EXISTING CONDITION
- 2 LOCATE ON OPPOSITE SIDE OF TRAFFIC. DRIVE PINS SHALL BE DRIVEN FLUSH WITH THE OUTSIDE FACE OF THE RAILING.
- "E" DIMENSION SHALL BE EQUAL TO OPENING OF TRAFFIC BARRIER EXPANSION JOINTS.

NOTES:

1. PIPE RAILING, PIPE BALUSTERS AND PIPE RAILING SPLICES SHALL BE ADEQUATELY WRAPPED TO INSURE SURFACE PROTECTION DURING HANDLING AND TRANSPORTATION THROUGHOUT THE REMOVAL AND REPLACEMENT OF THE RAILING.

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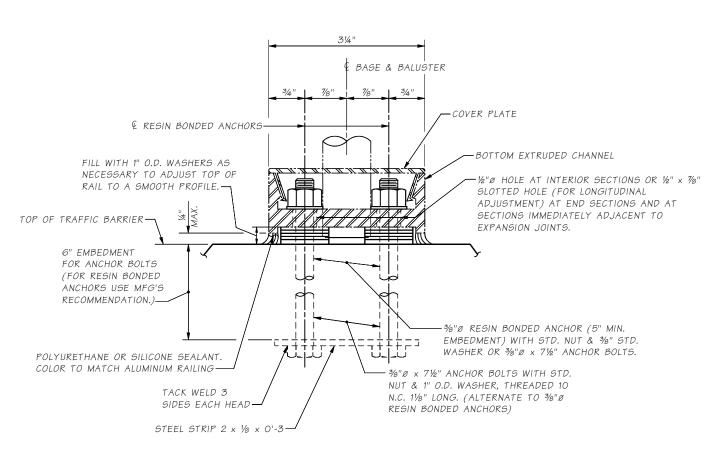
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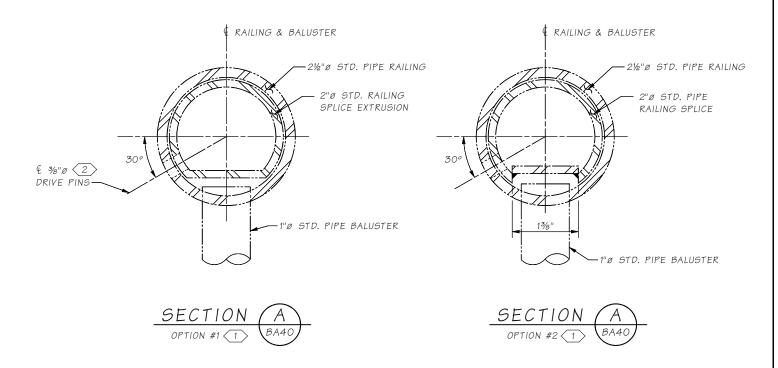
EXISTING BP RAILING DETAILS 1 OF 2

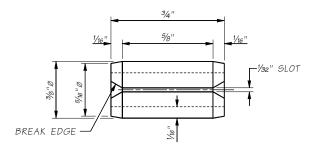
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OF 101 SHEETS

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DRIVE PIN DETAIL SLOTTED TYPE SPRING PIN (ANSI B18.8.2)

ANCHOR BOLTS SHALL BE POSITIONED IN A JIG DURING WELDING.

	NAT'L	PART	MATERIAL SPECIFICATION
	IM	RAILS & BALUSTERS	ASTM B221-6005-T5, 6005A-T5 OR ASTM B241-6061-T6
	ALUMINUM	EXTRUDED CHANNELS, COVER PLATES & BAR	ASTM B221-6005-T5 OR 6005A-T5
BA41	AL	STRIP	ASTM ASTM A36
SHEET.	STEEL	ANCHOR BOLTS, NUTS & WASHERS	STANDARD SPECIFICATION SECTION 9-06.5(4) GR. 36 (GALVANIZE IN ACCORDANCE WITH AASHTO SPECIFICATION M 232)
 -		DRIVE PINS	ASTM A276 OR A240 TYPE 302 STAINLESS STEEL

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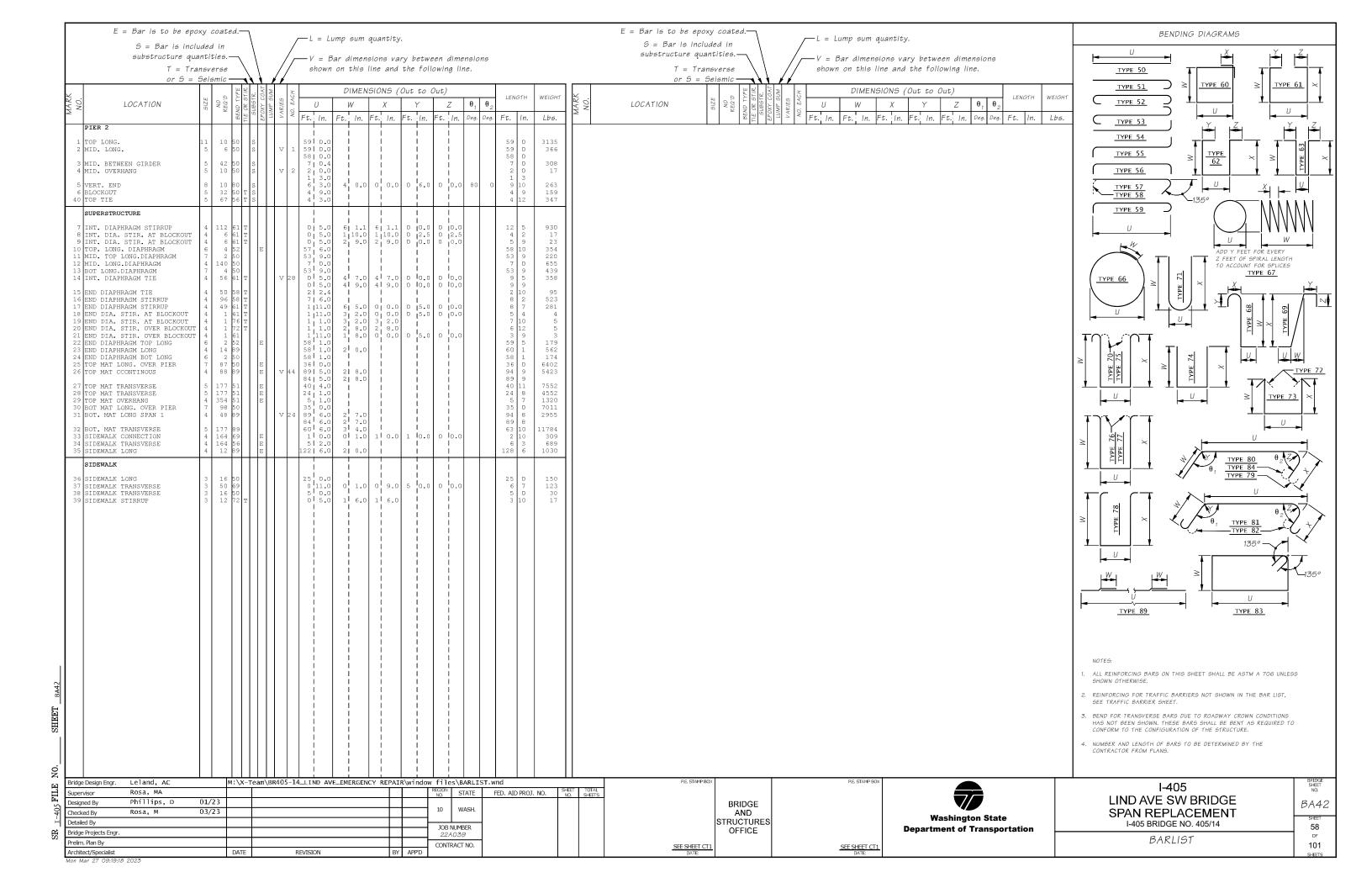
I-405 BRIDGE NO. 405/14 EXISTING BP RAILING DETAILS 2 OF 2

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KEY NOTES

1 DIMENSIONS AND SPACING SHOWN ON DETAIL TO MATCH EXISTING CONDITION

2 LOCATE ON OPPOSITE SIDE OF TRAFFIC. DRIVE PINS SHALL BE DRIVEN FLUSH WITH THE OUTSIDE FACE OF THE RAILING.



SIGN SPACII	NG = X (1)	
FREEWAYS & EXPRESSWAYS	50-75 MPH	1500' +/-
RURAL HIGHWAYS	60-70 MPH	800' +/-
RURAL ROADS	45-55 MPH	500' +/-
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350' +/-
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25-30 MPH	200' +/- (2)
URBAN STREETS 25 M	MPH OR LESS	100' +/- (2)
(4) ALL CDACING MAY DE ADJUCTED	TO ACCOMMODAT	rr

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS. (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT

MINIMU	M LANE CLO	SURE	TAP	ER L	ENG1	гн =	L	
LANE WIDTH (feet)	SPEED (MPH)	50	55	60	65	70	75	
12	L (feet)	600	660	720	780	840	900	
MINIMUM SHOULDER CLOSURE TAPER LENGTH = L/3								
SHOULDER WIDTH (feet)	SPEED (MPH)	50	55	60	65	70	75	
6	L/3 (feet)	120	120	120	160	160	160	
10	L/3 (feet)	200	200	240	240	280		
USE A I	USE A MINIMUM 3 DEVICES FOR SHOULDER LESS THAN 6'.							

	T BETWEEN	LAN	E CL	OSURI	E TAF	PERS	= 2L
LANE WIDTH	SPEED (MPH)	45	50	55	60	65	70
12'	2L (feet)	1080	1200	1320	1440	1560	1680

FED.AID PROJ.NO.

LOCATION NO.

DATE

10 WASH

22A039

CONTRACT NO.

DATE

BY

MINIMUM L	ONGITUE	INAL	BUFF	ER S	PACE	= B		
SPEED (MP	H) 50	55	60	65	70	75		
LENGTH (fe	et) 425	495	570	645	730	820		
STATIONARY TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R								
HOST VEHIC 9,900 TO					LE WE 0 lbs.			
50-55 MPH	60+ MF	PH 5	0-55 I	MPH	60+ I	MPH		
123'	172'		100	'	15	0'		

ROADWAY CONDITIONS.

FILE NAME

PLOTTED BY

2:07:40 PM

3/6/2023

schneip DESIGNED BY P. SCHNEIDER

ENTERED BY P. SCHNEIDER

PROJ. ENGR. M. KAYANDA

CHECKED BY G. HUTTON

REGIONAL ADM. B. NIELSEN

TIME

DATE

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)									
MPH	TAPER	TANGENT							
50-75	40	80							
35-45	30	60							
20-30	20	40							

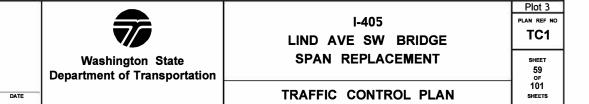
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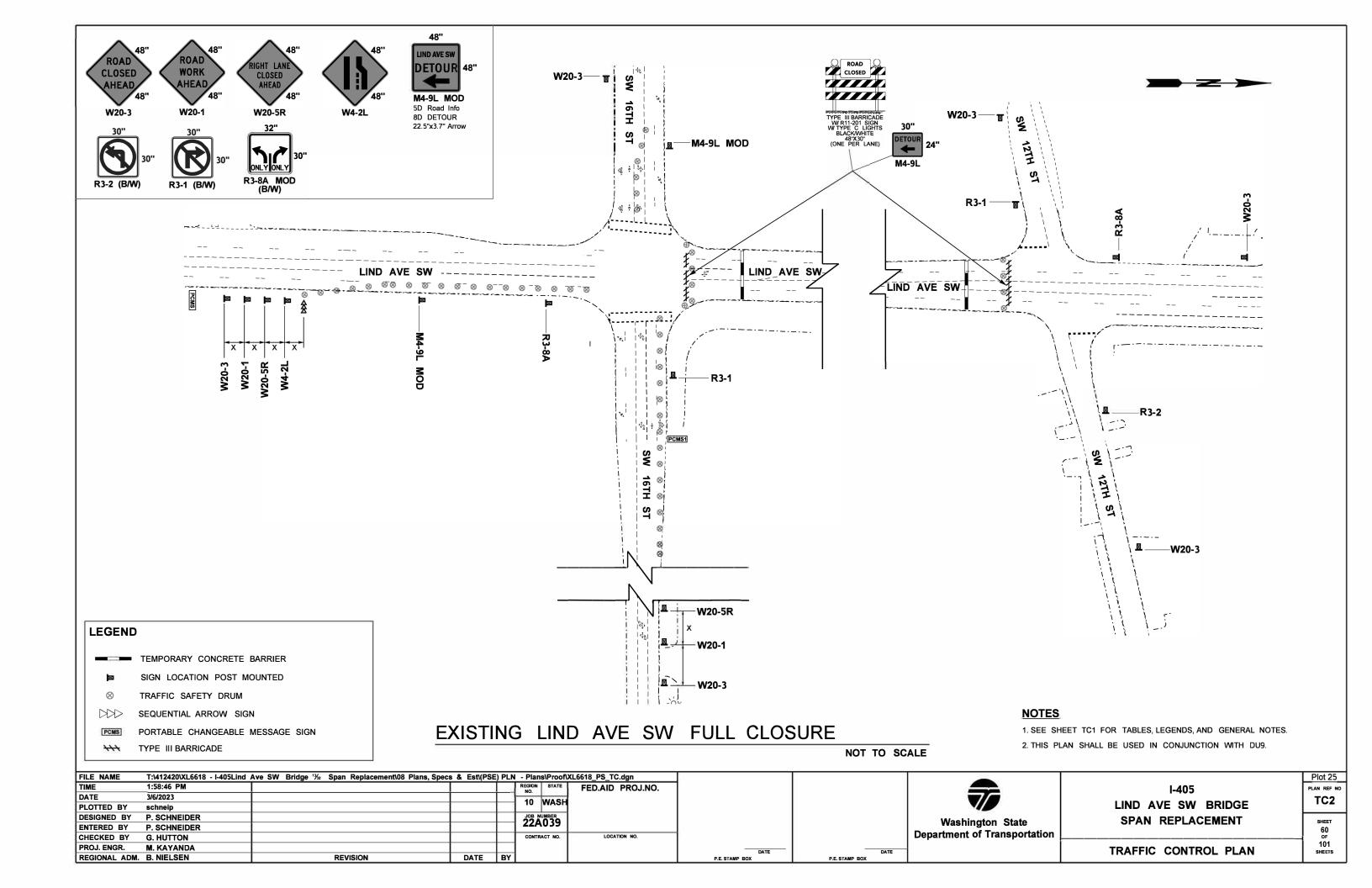
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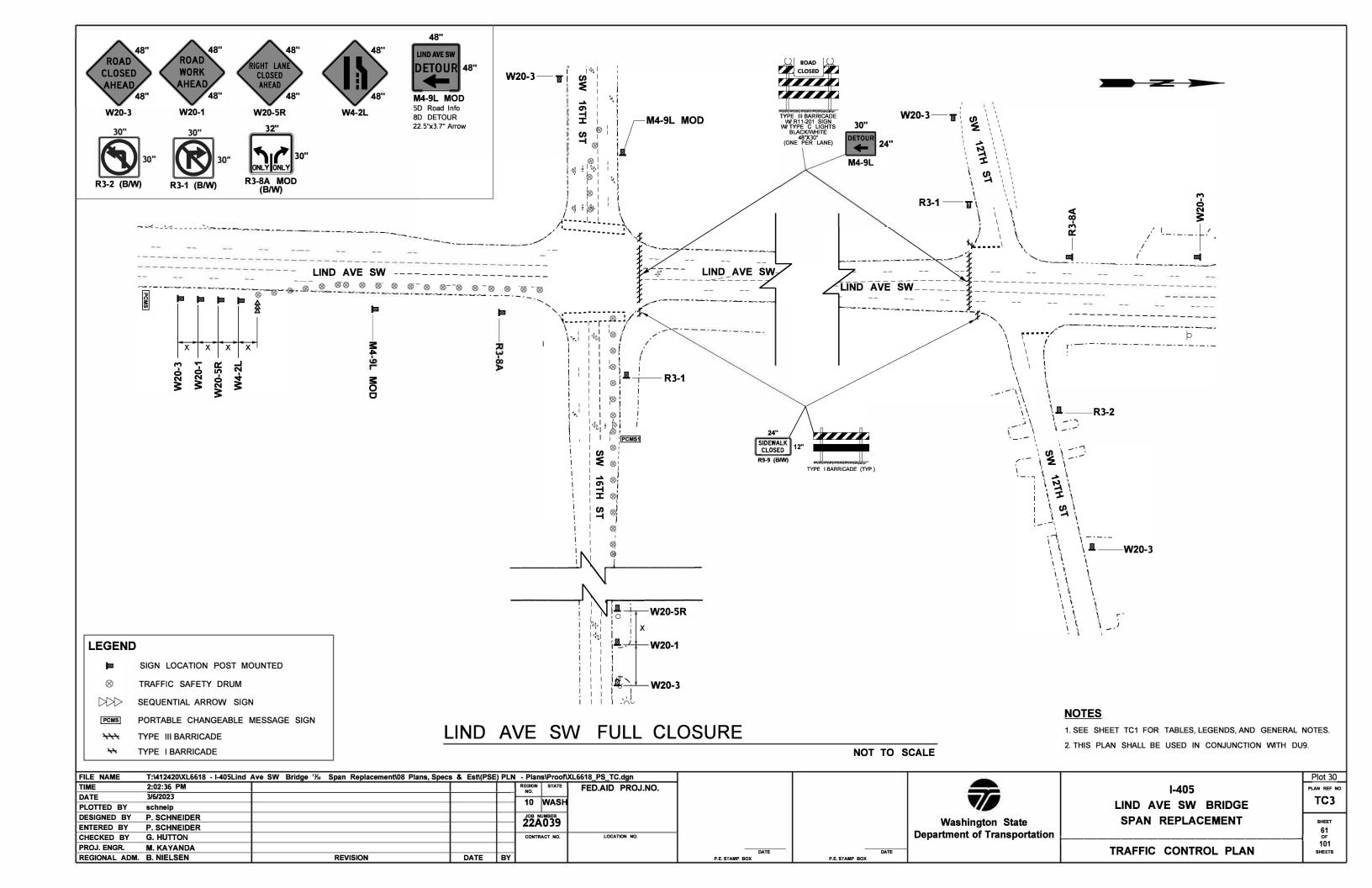
	LEGEND						
	TRANSPORTABLE ATTENUATOR						
И	TEMPORARY SIGN LOCATION						
8	TRAFFIC SAFETY DRUM (SEE SPECIAL PROVISIONS)						
DDD	SEQUENTIAL ARROW SIGN						
	WORK ZONE						
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN						
 	TEMPORARY SIGN LOCATION (5'MIN HEIGHT)						
+++	TYPE 3 BARRICADE						
**	TYPE I BARRICADE						
	DIRECTION OF TRAVEL						
*	UNIFORMED POLICE OFFICER						
	TEMPORARY CONCRETE BARRIER						
	EXISTING CONCRETE BARRIER						
	EXISTING LANE LINE						
	EXISTING EDGE LINE						
	EXISTING WIDE LINE						
	EXISTING GUARDRAIL						

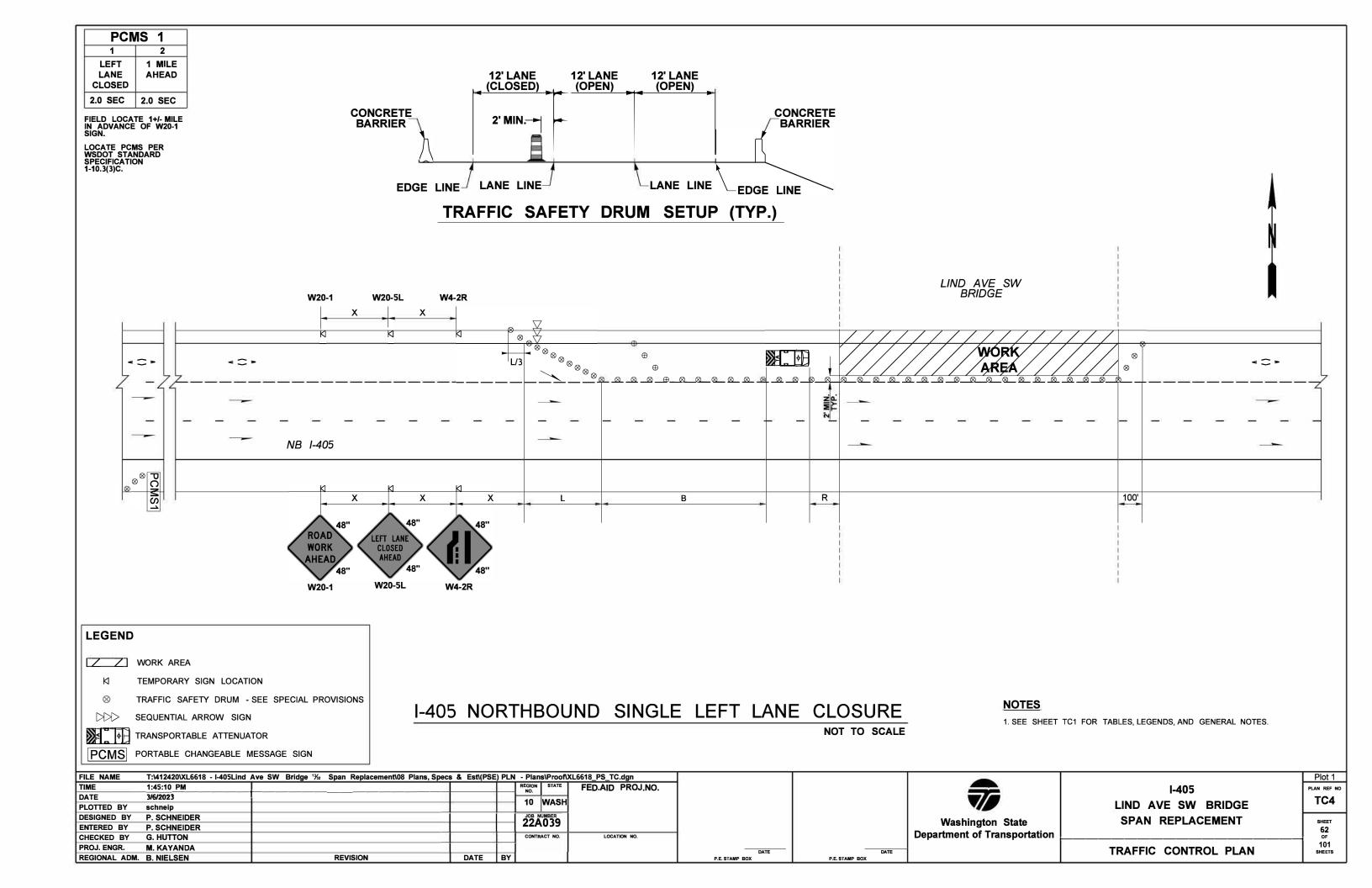
GENERAL NOTES:

- 1. SEE SPECIAL PROVISIONS FOR CLOSURE HOUR RESTRICTIONS.
- 2. EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
- 3. DEVICES SHALL NOT ENCROACH INTO ADJACENT LANES.
- 4. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
- 5. DOWNSTREAM TAPER OPTIONAL ACROSS LEFT LANE. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'(FT).
- 6. SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.
- 7. ADD "TRUCKS LEAVING HIGHWAY" AND "TRUCKS ENTERING HIGHWAY" (W21-30, 48"X48", 5' HEIGHT) SIGNS 500' +/- PRIOR TO WHERE CONSTRUCTION VEHICLES FREQUENTLY EXIT AND ENTER INTO OPEN
- 8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 500'MINIMUM.





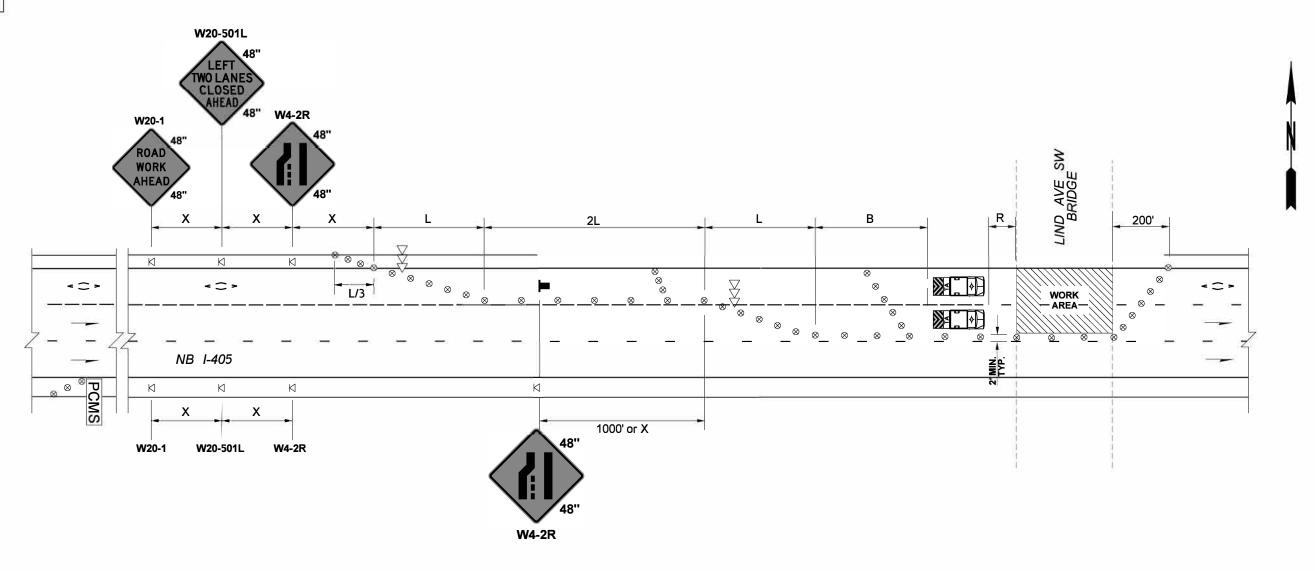




PCN	1S 1
1	2
2 LANES CLOSED AHEAD	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1+/- MILE IN ADVANCE OF W20-1 SIGN.

LOCATE PCMS PER WSDOT STANDARD SPECIFICATION 1-10.3(3)C.



LEGEND

ZZ WORK AREA

TEMPORARY SIGN LOCATION

TRAFFIC SAFETY DRUM - SEE SPECIAL PROVISIONS

SEQUENTIAL ARROW SIGN

TRANSPORTABLE ATTENUATOR

PORTABLE CHANGEABLE MESSAGE SIGN

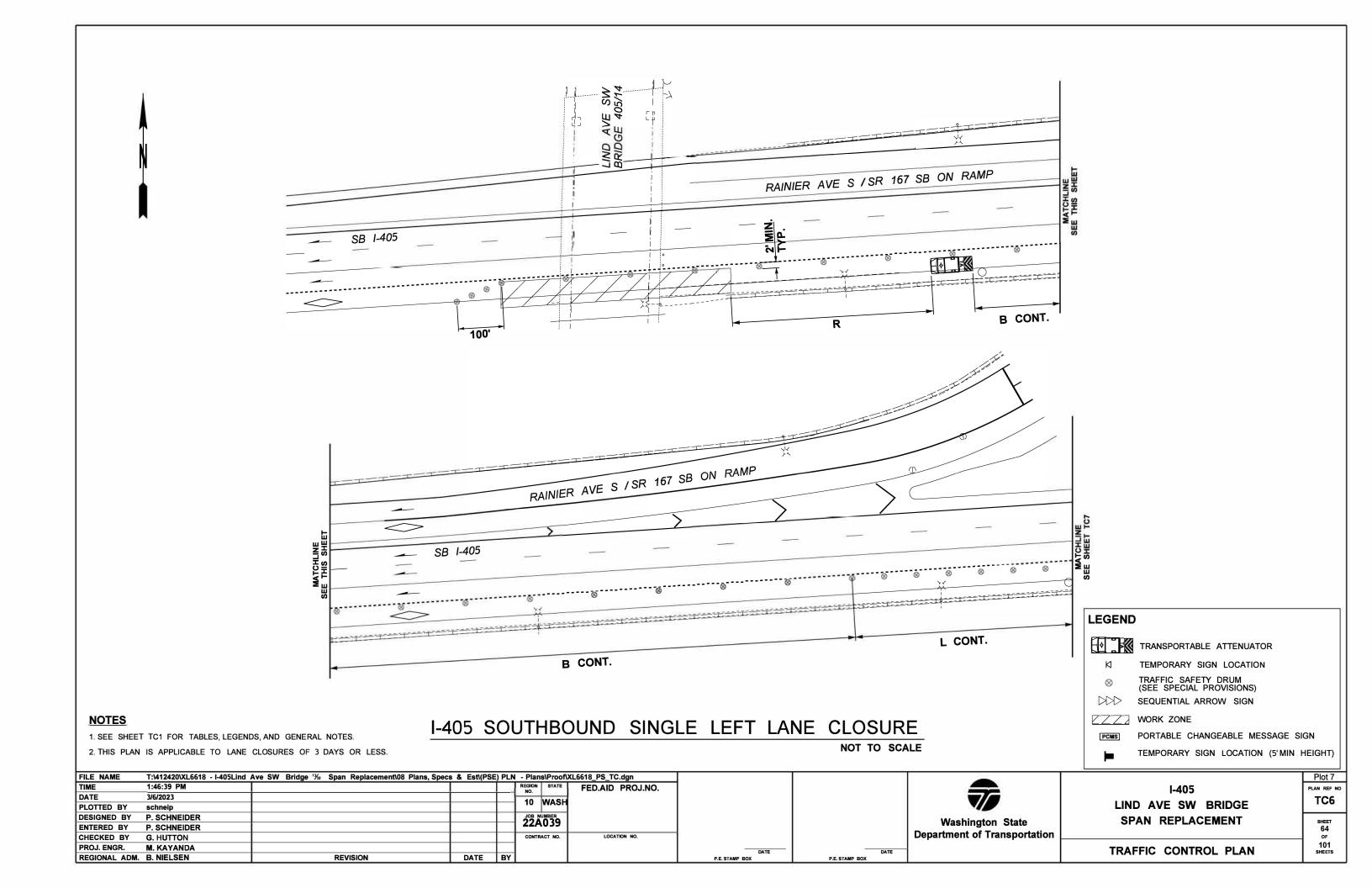
TEMPORARY SIGN LOCATION (5'MIN HEIGHT)

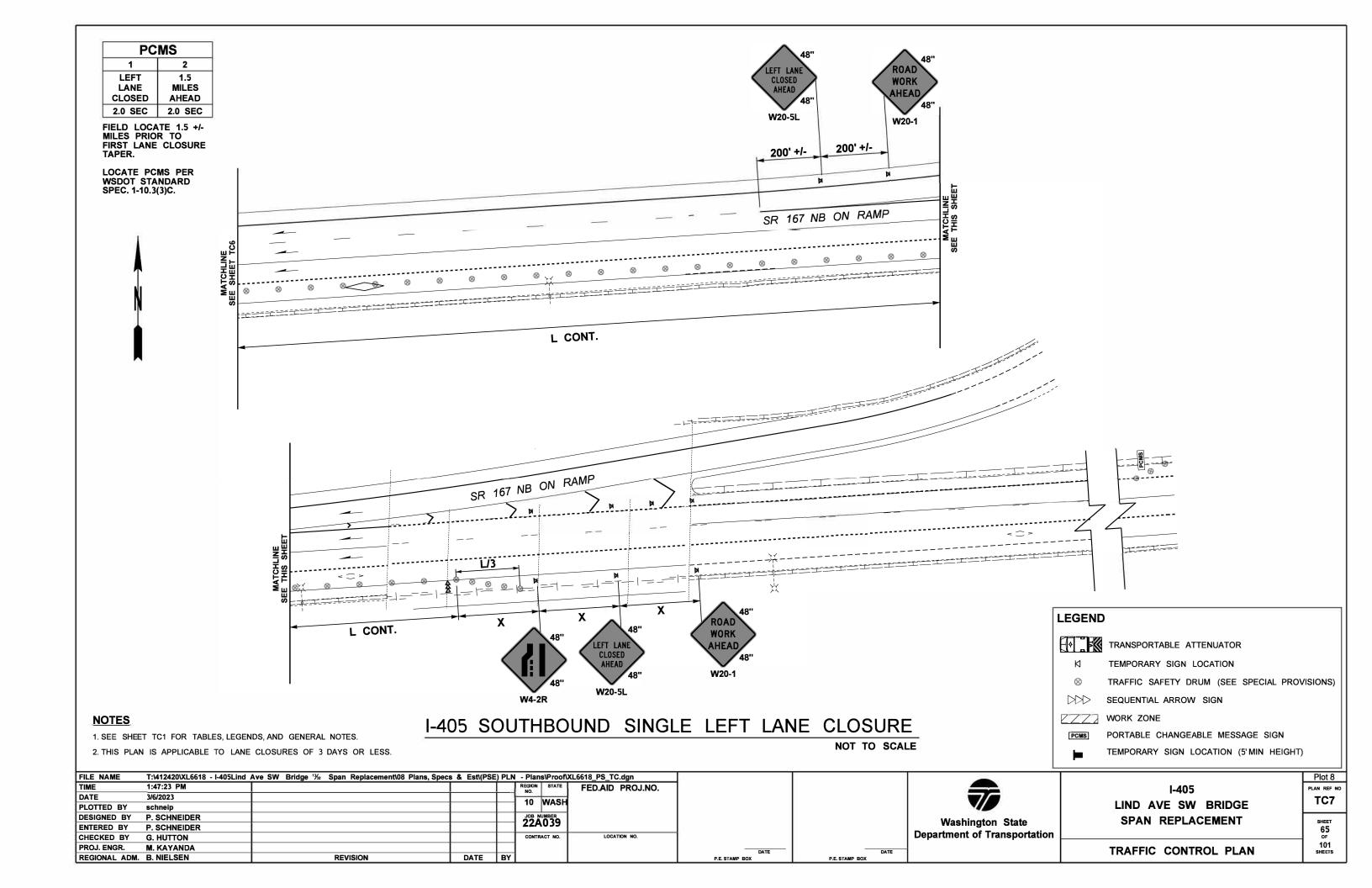
NOTES

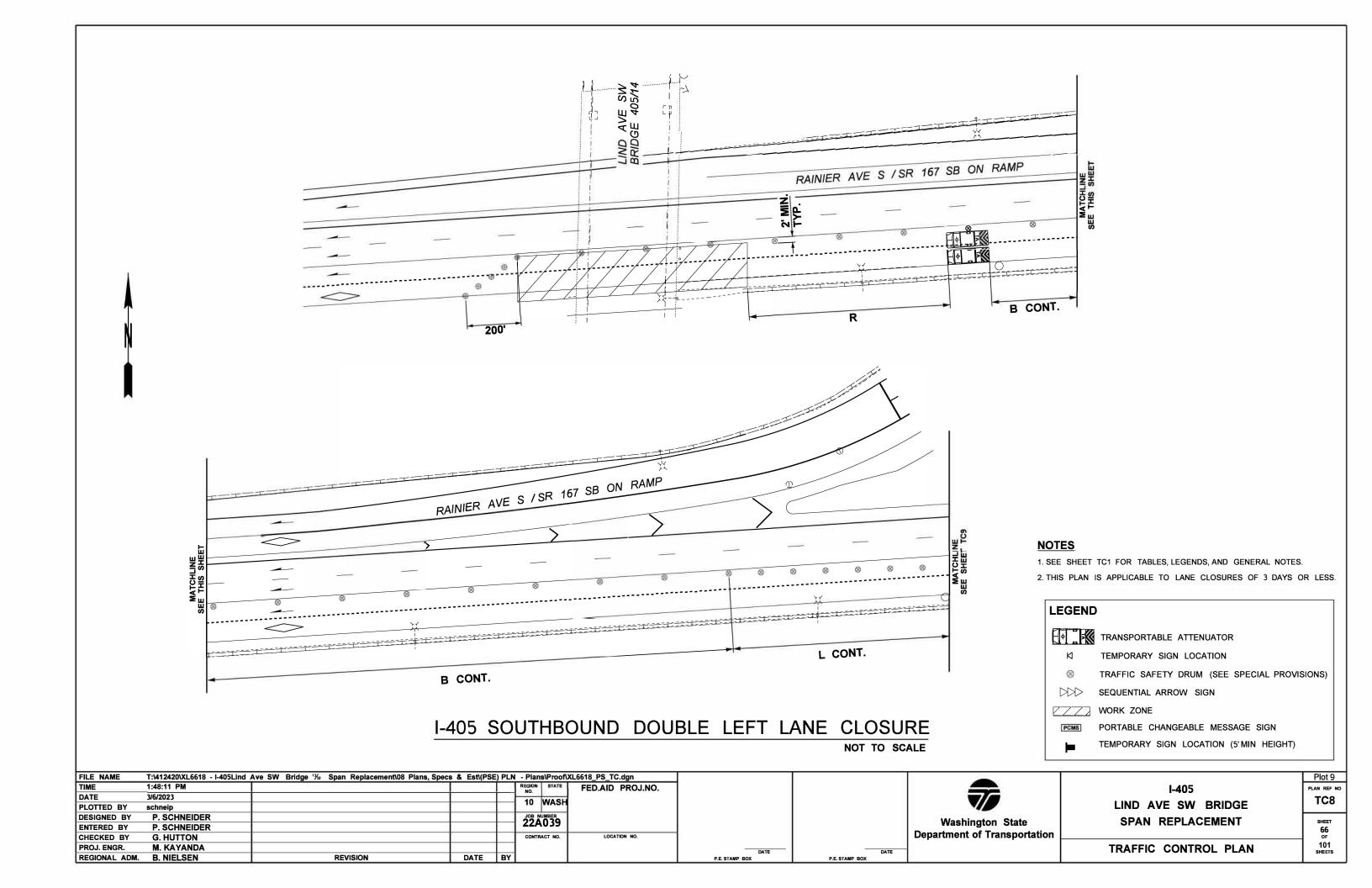
1. SEE SHEET TC1 FOR TABLES, LEGENDS, AND GENERAL NOTES.

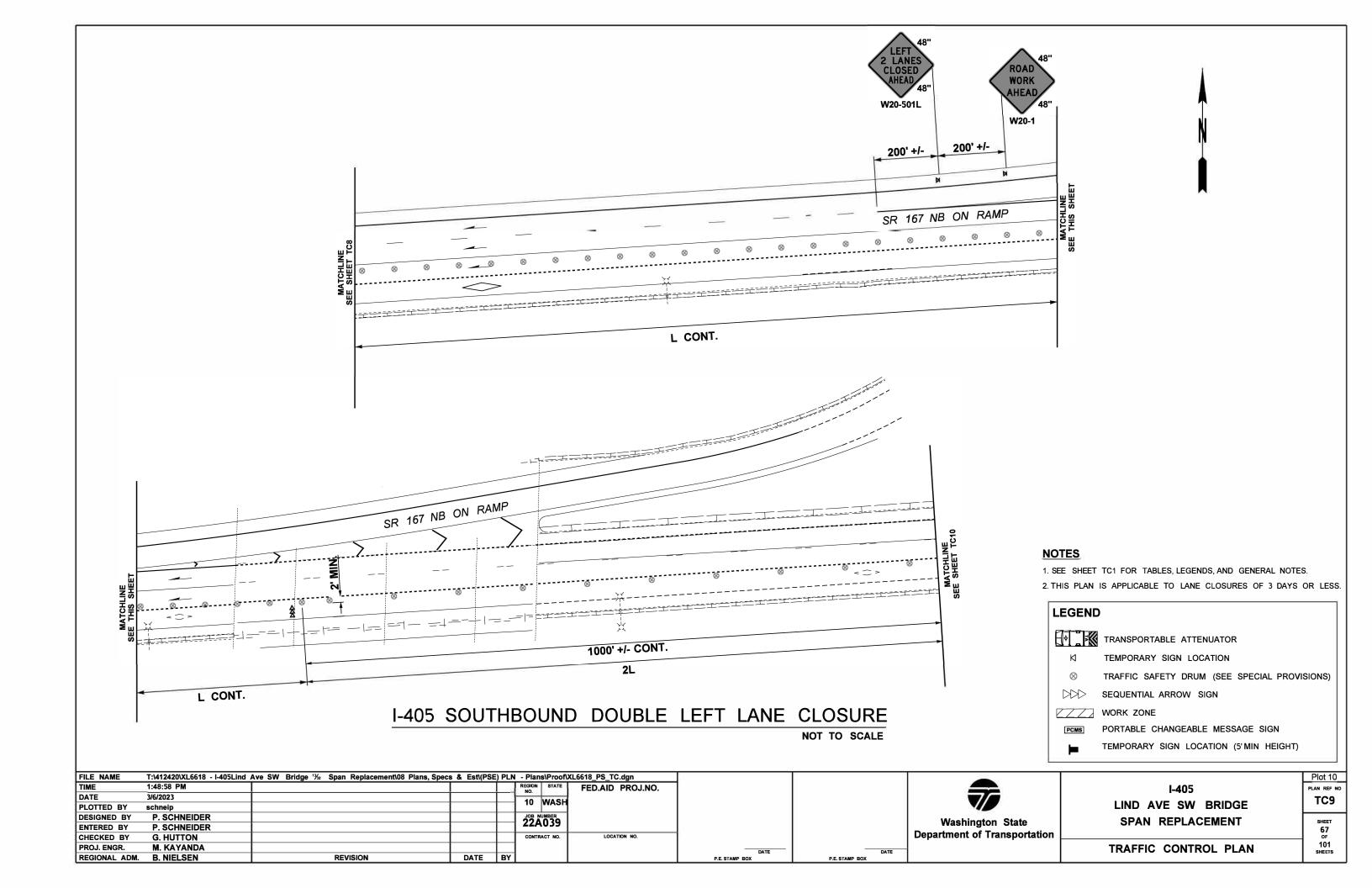
I-405	NORTHBOUND	DOUBLE	LEFT	LANE	CLOSURE
					NOT TO SCALE

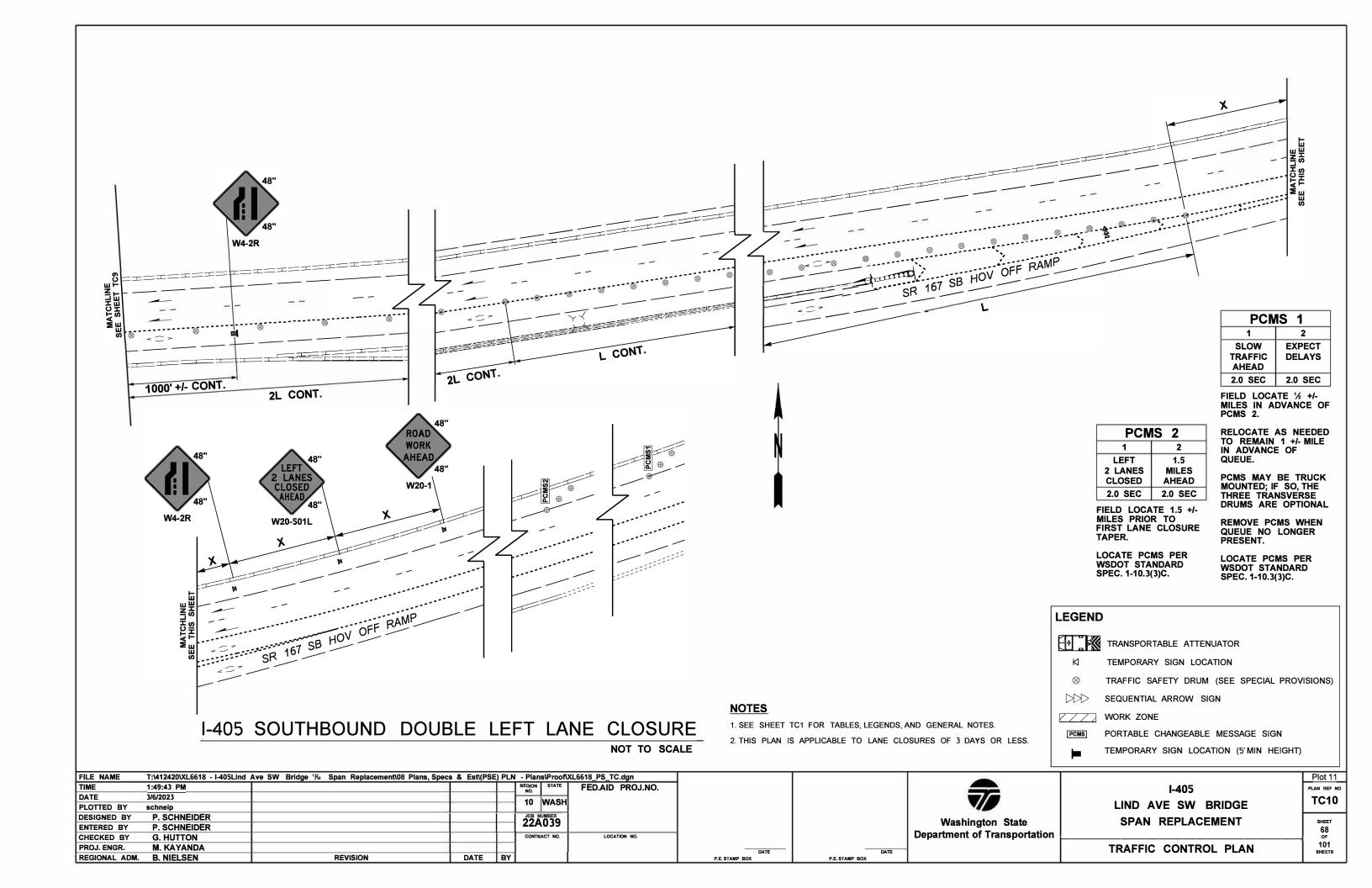
FILE NAME	T:\412420\XL6618 - I-405Lind	Ave SW Bridge 13/2 Span Replacement\08 Plans, Spec	& Est\(PSE	E) PLN	I - Plans\Proc	of\XL6618_PS_TC.dgn					Plot 2
TIME	1:45:53 PM				REGION STAT	FED.AID PROJ.NO.	ľ			I-405	PLAN REF NO
DATE	3/6/2023			1 0	10 WAS	0					TC5
PLOTTED BY	schneip				10 WAS	"]				LIND AVE SW BRIDGE	105
DESIGNED BY	P. SCHNEIDER				22A039				Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				ZZAUJS				_	l .	63
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.	i e		Department of Transportation		OF 104
PROJ. ENGR.	M. KAYANDA]		DATE	DATE		TRAFFIC CONTROL PLAN	101 SHEETS
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY	l		P.E. STAMP BOX	P.E. STAMP BOX		INALLIS SOUTHOL LEAN	J

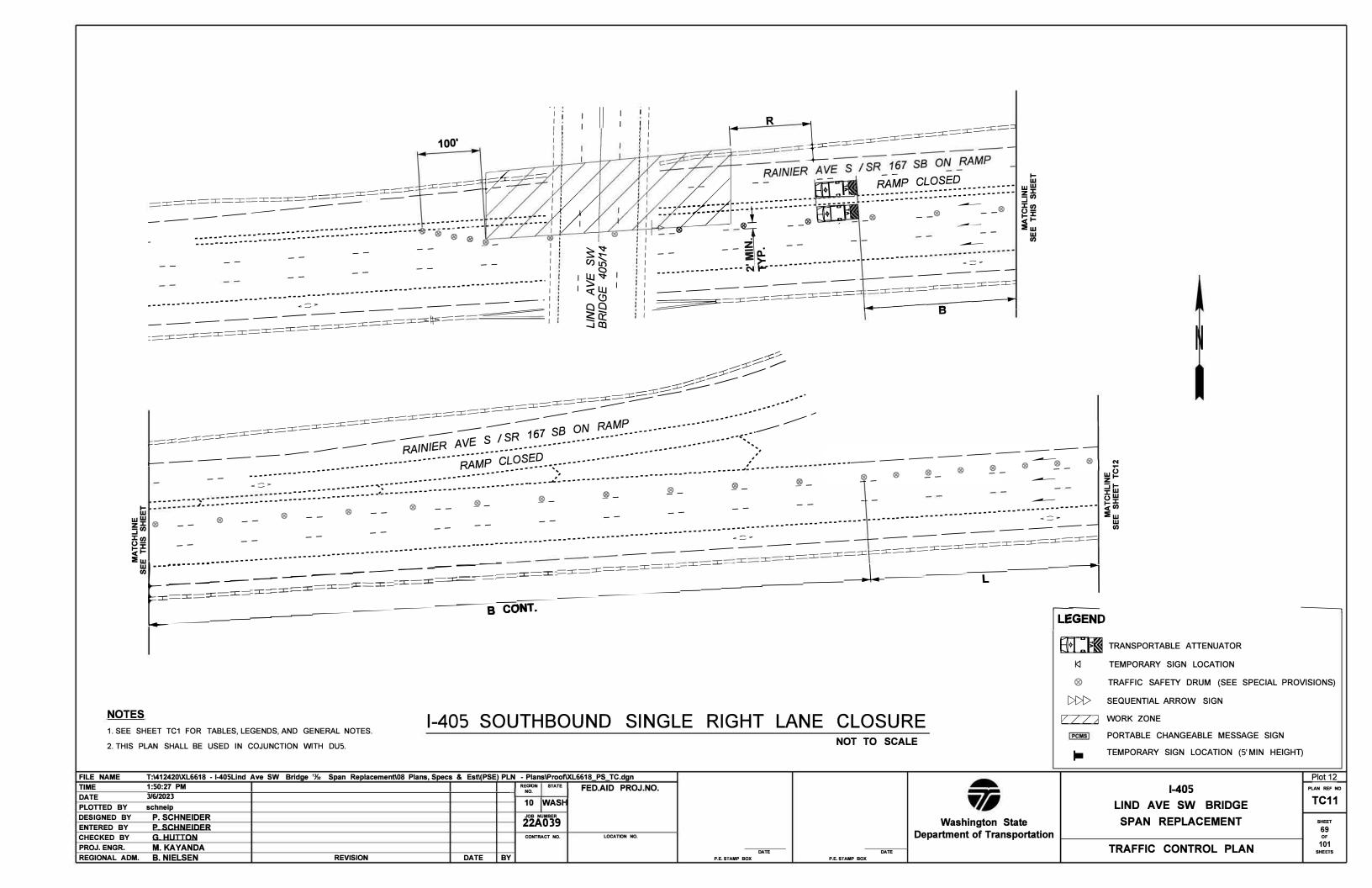


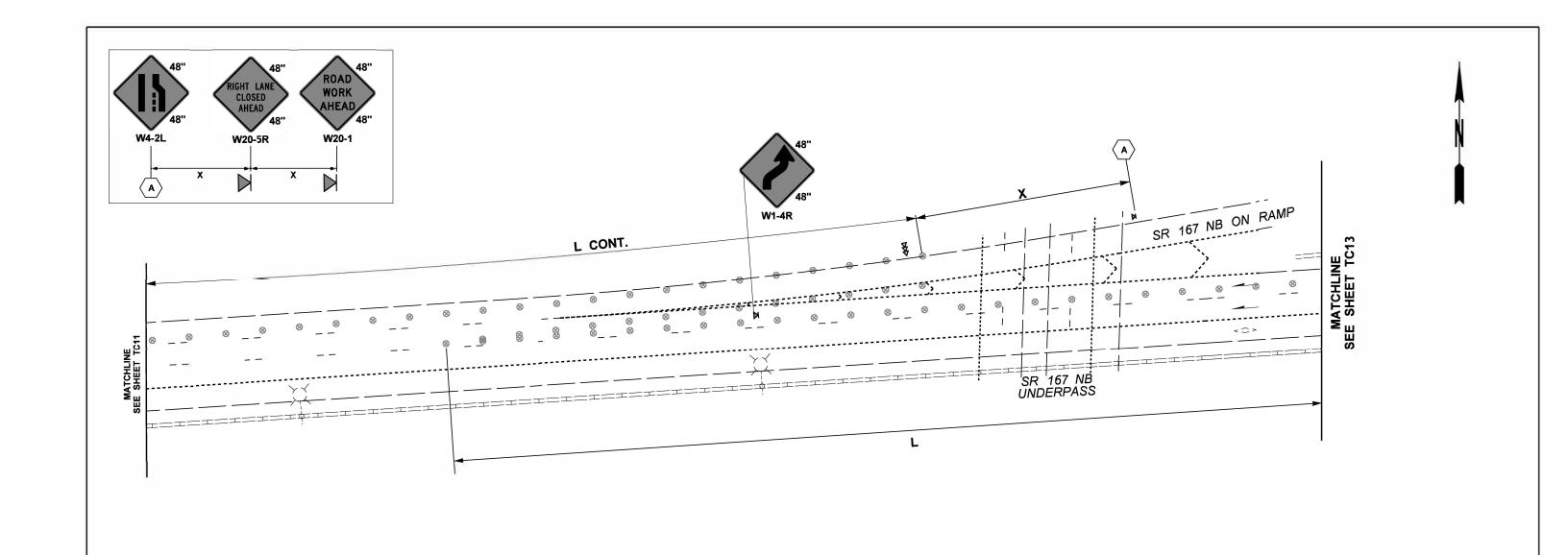












NOTES 1. SEE SHI

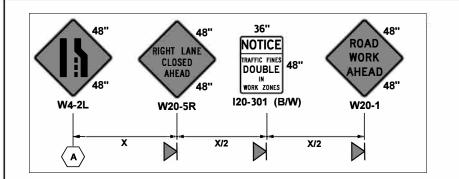
SEE SHEET TC1 FOR TABLES, LEGENDS, AND GENERAL NOTES.
 THIS PLAN SHALL BE USED IN CONJUNCTION WITH DU5.

TRANSPORTABLE ATTENUATOR TEMPORARY SIGN LOCATION TRAFFIC SAFETY DRUM (SEE SPECIAL PROVISIONS) SEQUENTIAL ARROW SIGN WORK ZONE PCMS PORTABLE CHANGEABLE MESSAGE SIGN TEMPORARY SIGN LOCATION (5'MIN HEIGHT)

I-405 SOUTHBOUND SINGLE RIGHT LANE CLOSURE

NOT TO SCALE

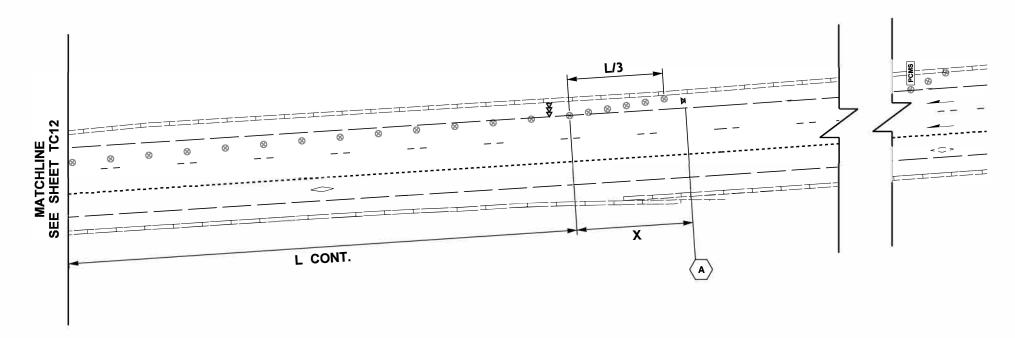
FILE NAME	T:\412420\XL6618 - I-405Lind	Ave SW Bridge 1 Span Replacement 108 Plans, Spec	s & Est\(PSE	E) PLN	I - Plans\Proof	XL6618_PS_TC.dgn					Plot 13
TIME	1:51:14 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF NO
DATE	3/6/2023				10 WASH				₹/#		TC12
PLOTTED BY	schneip				IU WASH				*4	LIND AVE SW BRIDGE	1012
DESIGNED BY	P. SCHNEIDER				22A039				Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				ZZAUJS						70
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.	5		Department of Transportation		OF OF
PROJ. ENGR.	M. KAYANDA						DATE	DATE	1	TRAFFIC CONTROL PLAN	101 SHEETS
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX			UNILLIO



PCMS								
1	2							
RIGHT	1.5							
LANE	MILES							
CLOSED	AHEAD							
2.0 SEC	2.0 SEC							

FIELD LOCATE 1.5 +/-MILES PRIOR TO FIRST LANE CLOSURE TAPER.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.



NOTES

1. SEE SHEET TC1 FOR TABLES, LEGENDS, AND GENERAL NOTES.

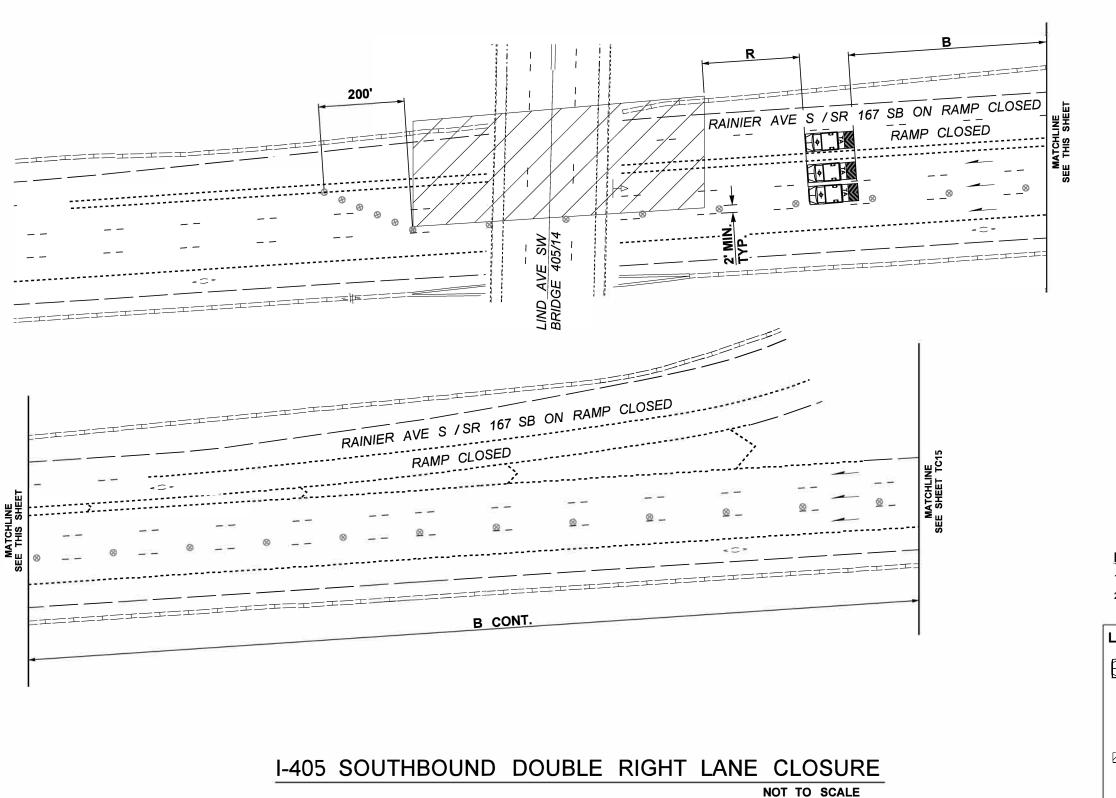
2. THIS PLAN SHALL BE USED IN CONJUNCTION WITH DU5.

I-405 SOUTHBOUND SINGLE RIGHT LANE CLOSURE

NOT TO SCALE

TRANSPORTABLE ATTENUATOR KI TEMPORARY SIGN LOCATION TRAFFIC SAFETY DRUM (SEE SPECIAL PROVISIONS) SEQUENTIAL ARROW SIGN WORK ZONE POMS PORTABLE CHANGEABLE MESSAGE SIGN TEMPORARY SIGN LOCATION (5'MIN HEIGHT)

FILE NAME	T:\412420\XL6618 - I-405Lind	Ave SW Bridge 1/32 Span Replacement\08 Plans, Spec) PLN	- Plans\Proof	XL6618_PS_TC.dgn					Plot 22	
TIME	1:58:02 PM				REGION STATE	FED.AID PROJ.NO.	T.			I-405	PLAN REF NO
DATE	3/6/2023			l 1	10 WASH						TC13
PLOTTED BY	schneip				IU WASH					LIND AVE SW BRIDGE	1015
DESIGNED BY	P. SCHNEIDER		i i	i i	22A039				Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				22AU39						71
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.	T .		Department of Transportation		OF
PROJ. ENGR.	M. KAYANDA						DATE	DATE	1	TRAFFIC CONTROL PLAN	101 SHEETS
REGIONAL ADM	. B. NIELSEN	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX		INALLIC CONTINUE FEAR	ance is



NOTES

1. SEE SHEET TC1 FOR TABLES, LEGENDS, AND GENERAL NOTES. 2. THIS PLAN SHALL BE USED IN CONJUNCTION WITH DU7.

LEGEND

TRANSPORTABLE ATTENUATOR

TEMPORARY SIGN LOCATION

TRAFFIC SAFETY DRUM (SEE SPECIAL PROVISIONS)

SEQUENTIAL ARROW SIGN

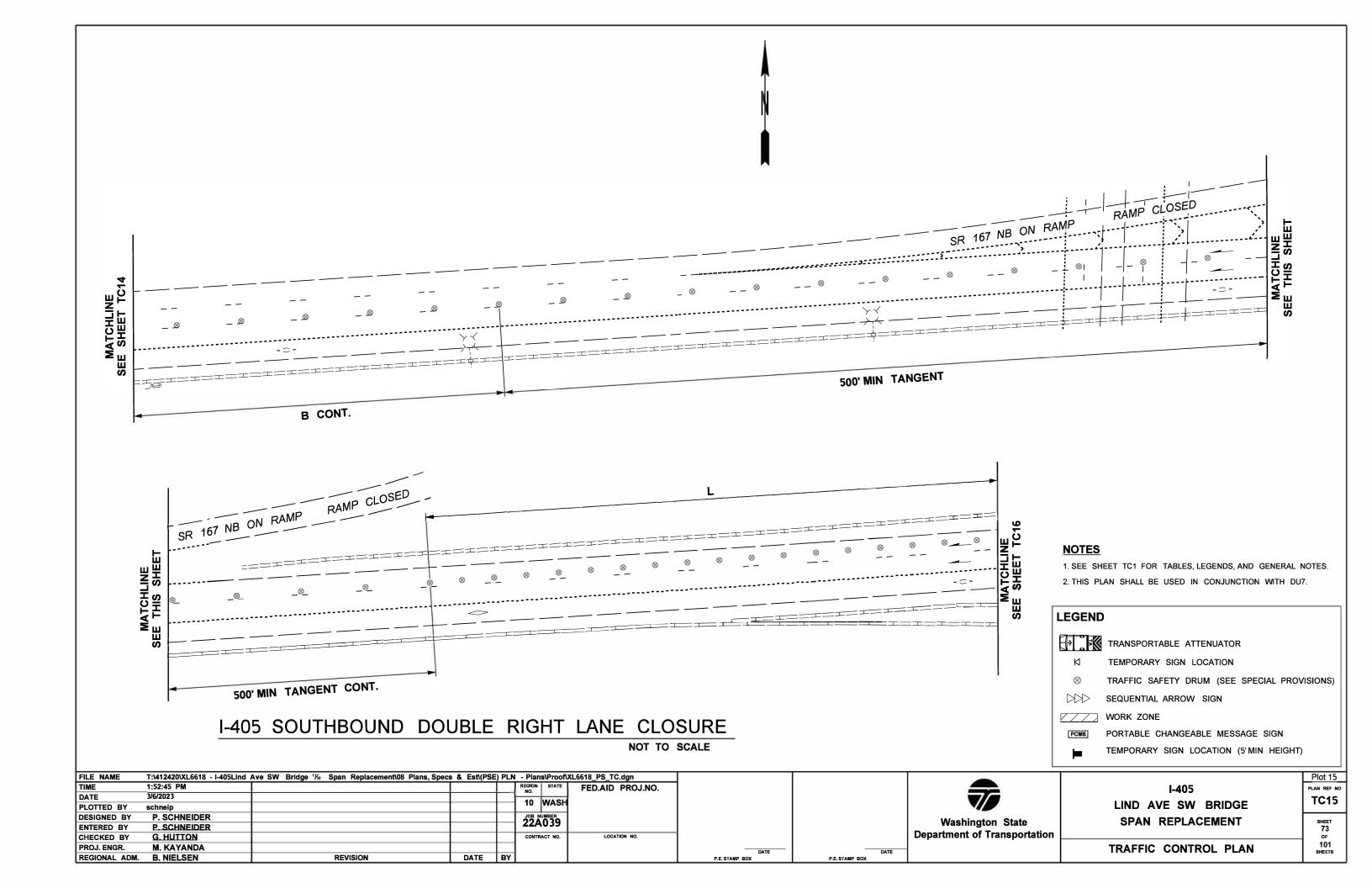
WORK ZONE

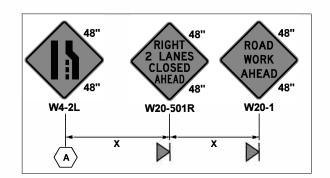
PORTABLE CHANGEABLE MESSAGE SIGN

TEMPORARY SIGN LOCATION (5'MIN HEIGHT)

T:\412420\XL6618 - I-405Lind Ave SW Bridge 1/32 Span Replacement\08 Plans, Specs & Est\(PSE) PLN - Plans\Proof\XL6618_PS_TC.dgn

FILE NAME	T:\412420\XL6618 - I-405Lind Ave SW Bridge 11/2 Span Replacement\08 Plans, Specs & Est\(PSE) PLN - Plans\Proof\XL6618_PS_TC.dgn										Plot 14
TIME	1:51:59 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF I
DATE	3/6/2023		1		10 WASH				V //		TC14
PLOTTED BY	schneip		1		10 WASH					LIND AVE SW BRIDGE	1 .0.7
DESIGNED BY	P. SCHNEIDER		1		JOB NUMBER 22A039				Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER		1		22AU39						72
CHECKED BY	G. HUTTON		1		CONTRACT NO.	LOCATION NO.	ř.		Department of Transportation		OF
PROJ. ENGR.	M. KAYANDA		1		1		DATE	DATE		TRAFFIC CONTROL PLAN	101 SHEETS
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX			SHEETS
	7		Sec.	81 7		1	Ni .	7977			1.5





PCN	IS 2
1	2
RIGHT 2 LANES CLOSED	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1/4 +/-MILE IN ADVANCE OF W20-1 SIGN.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

PCN	IS 1
1	2
SLOW	EXPECT
TRAFFIC	DELAYS
AHEAD	
2.0 SEC	2.0 SEC

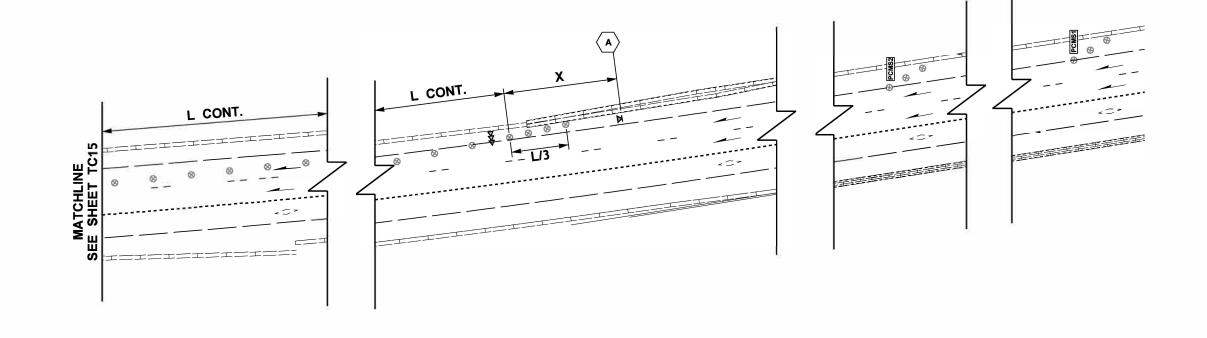
FIELD LOCATE ½ +/MILES IN ADVANCE OF
PCMS 2.

RELOCATE AS NEEDED TO REMAIN 1 +/- MILE IN ADVACNE OF QUEUE.

PCMS MAY BE TRUCK MOUNTED; IF SO, THE THREE TRANSVERSE DRUMS ARE OPTIONAL

REMOVE WHEN QUEUE NO LONGER PRESENT.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.



NOTES

1. SEE SHEET TC1 FOR TABLES, LEGENDS, AND GENERAL NOTES.

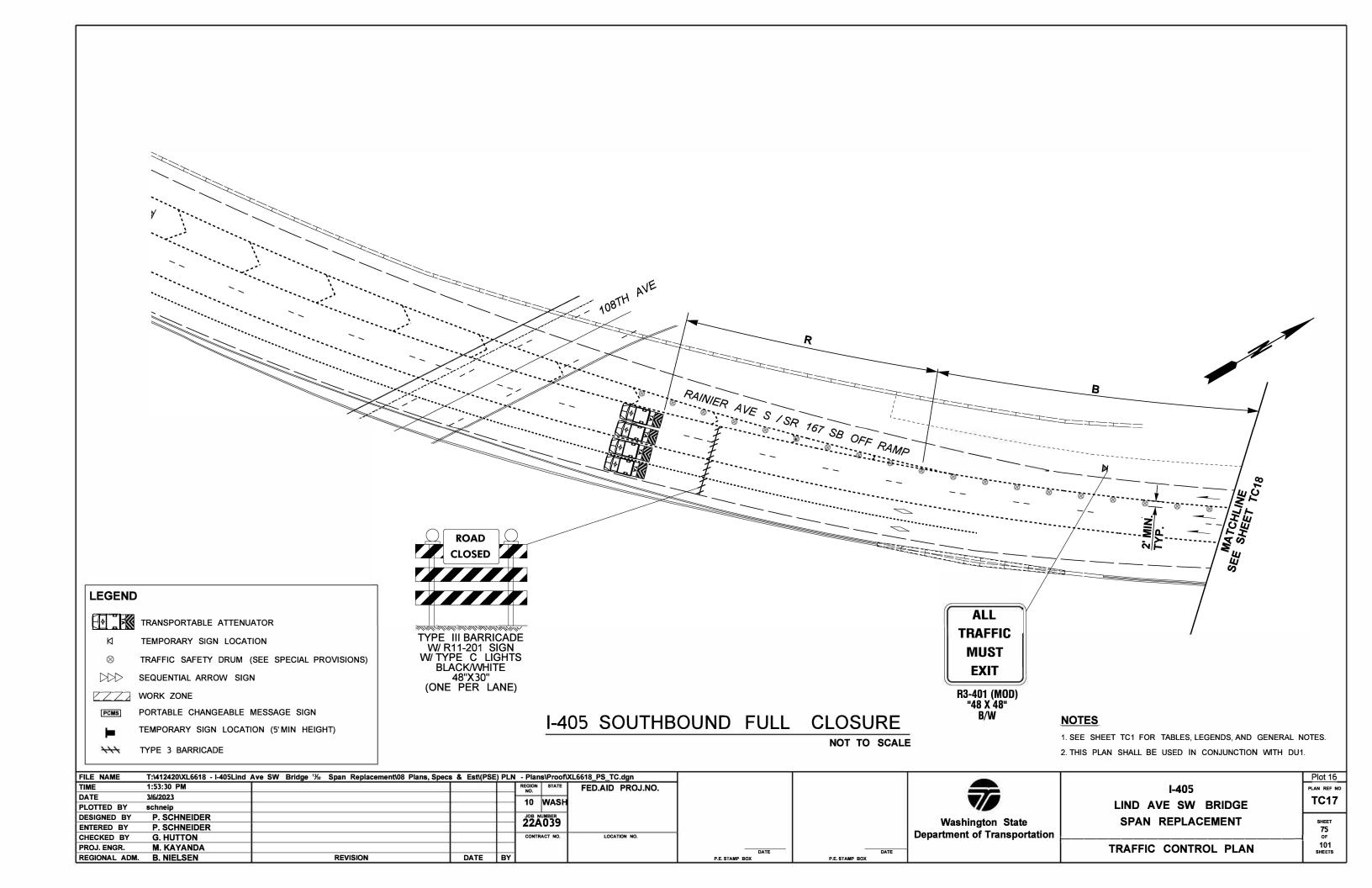
2. THIS PLAN SHALL BE USED IN CONJUNCTION WITH DU7.

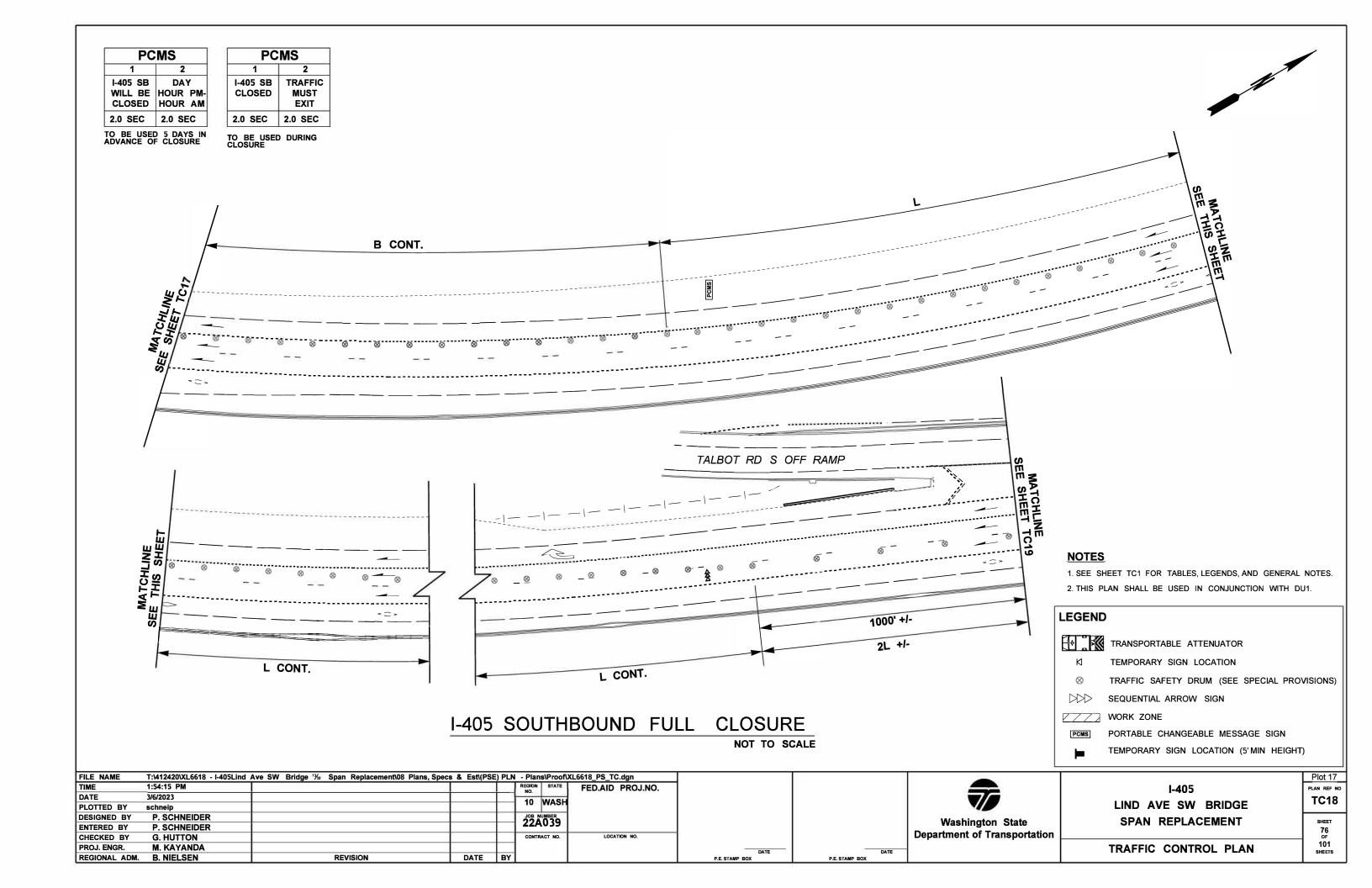
I-405 SOUTHBOUND DOUBLE RIGHT LANE CLOSURE

NOT TO SCALE

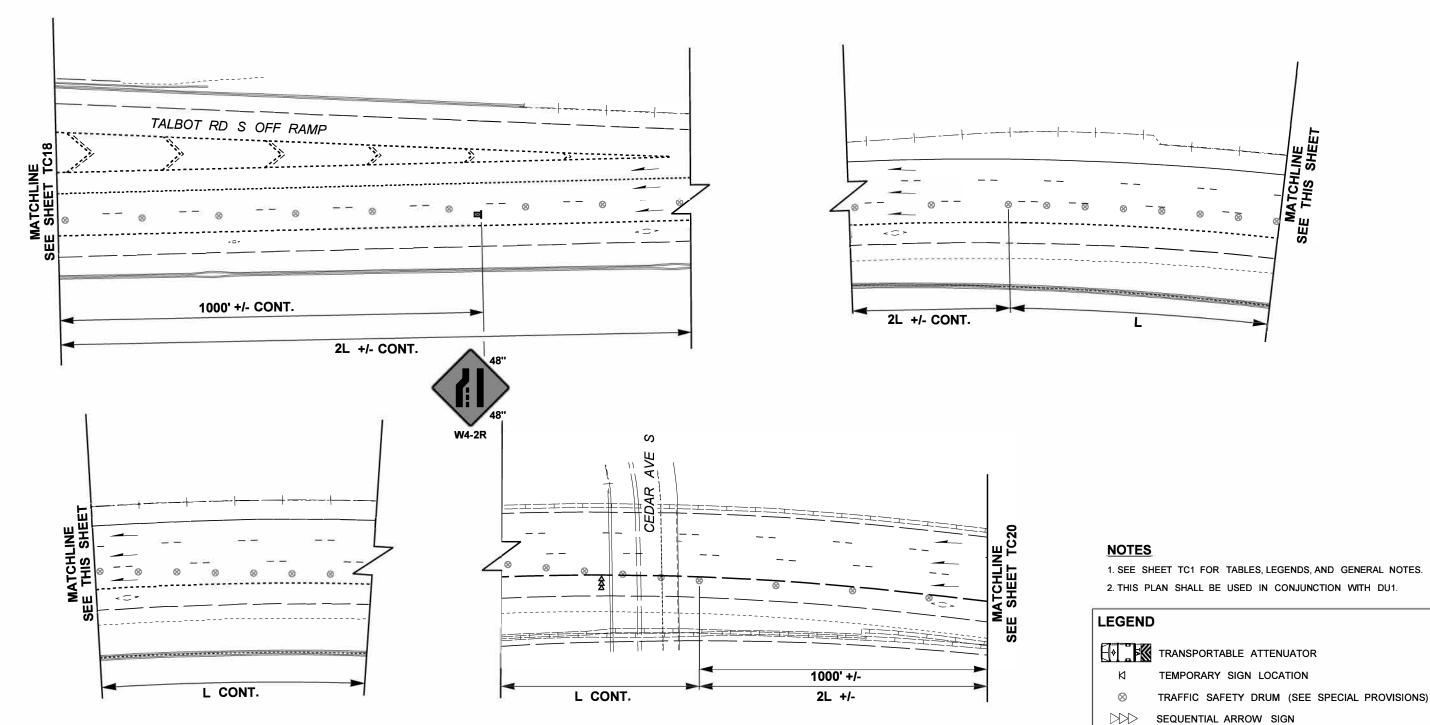
LEGEND	
	TRANSPORTABLE ATTENUATOR
И	TEMPORARY SIGN LOCATION
\otimes	TRAFFIC SAFETY DRUM (SEE SPECIAL PROVISIONS)
	SEQUENTIAL ARROW SIGN
7777	WORK ZONE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
H	TEMPORARY SIGN LOCATION (5'MIN HEIGHT)

FILE NAME	T:\412420\XL6618 - I-405Lind	Ave SW Bridge 13/2 Span Replacement\08 Plans, Spec	cs & Est\(PSE	E) PLN	I - Plans\Proof	XL6618_PS_TC.dgn	Ĭ				Plot 21
TIME	1:57:17 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF NO
DATE	3/6/2023				10 WASH						TC16
PLOTTED BY	schneip				IU WASH				*1	LIND AVE SW BRIDGE	10.0
DESIGNED BY	P. SCHNEIDER				22A039]			Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				22A039					OF AIL INCLINERY	74
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.	Î I		Department of Transportation		- of
PROJ. ENGR.	M. KAYANDA					J	DATE ===	DATE		TRAFFIC CONTROL PLAN	101 SHEETS
REGIONAL ADM.	I. B. NIELSEN	REVISION	DATE	BY	1		P.E. STAMP BOX P.E. STAMP BOX			IIIAIIIO OOMINOE I EAN	5









I-405 SOUTHBOUND FULL CLOSURE NOT TO SCALE

T:\412420\XL6618 - I-405Lind Ave SW Bridge 1/32 Span Replacement\08 Plans, Specs & Est\(PSE) PLN - Plans\Proof\XL6618_PS_TC.dgn FILE NAME FED.AID PROJ.NO. DATE 10 WASH PLOTTED BY DESIGNED BY 22A039 P. SCHNEIDER ENTERED BY P. SCHNEIDER LOCATION NO. PROJ. ENGR. M. KAYANDA REGIONAL ADM. B. NIELSEN REVISION DATE BY

Washington State
Department of Transportation

I-405
LIND AVE SW BRIDGE
SPAN REPLACEMENT
TRAFFIC CONTROL PLAN

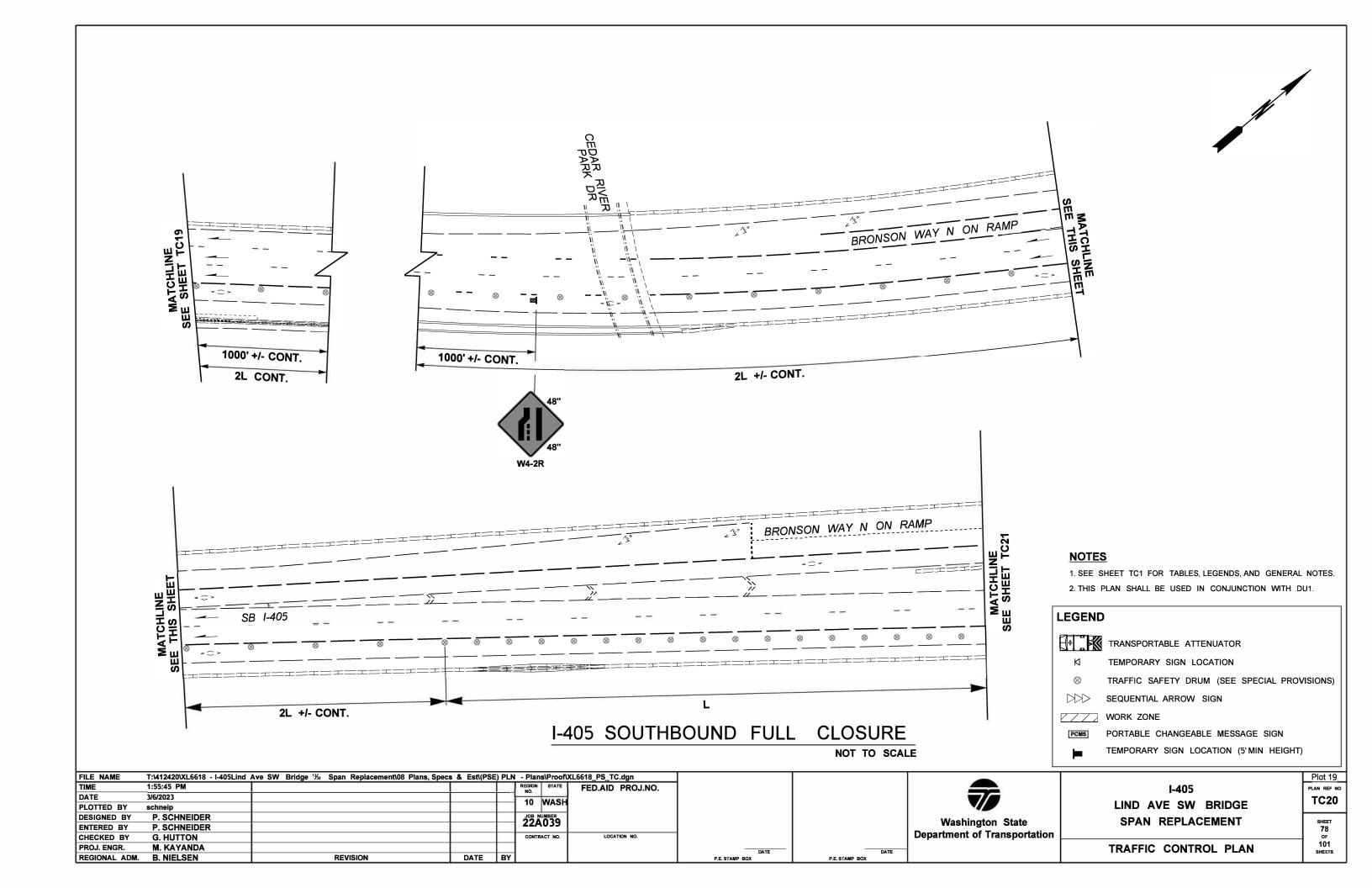
PORTABLE CHANGEABLE MESSAGE SIGN

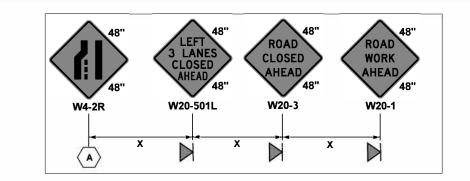
TEMPORARY SIGN LOCATION (5'MIN HEIGHT)

WORK ZONE

SHEET
77
0F
101
SHEETS

Plot 18





PCN	IS 2
1	2
I-405 SB	FOLLOW
CLOSED	DETOUR
AHEAD	
2.0 SEC	2.0 SEC

FIELD LOCATE ½ +/-MILES IN ADVANCE OF PCMS 2. FIELD LOCATE 1/4 +/MILE IN ADVANCE OF
W20-1 SIGN

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

RELOCATE AS NEEDED TO REMAIN 1 +/- MILE IN ADVACNE OF QUEUE.

PCMS 1

2.0 SEC | 2.0 SEC

EXPECT

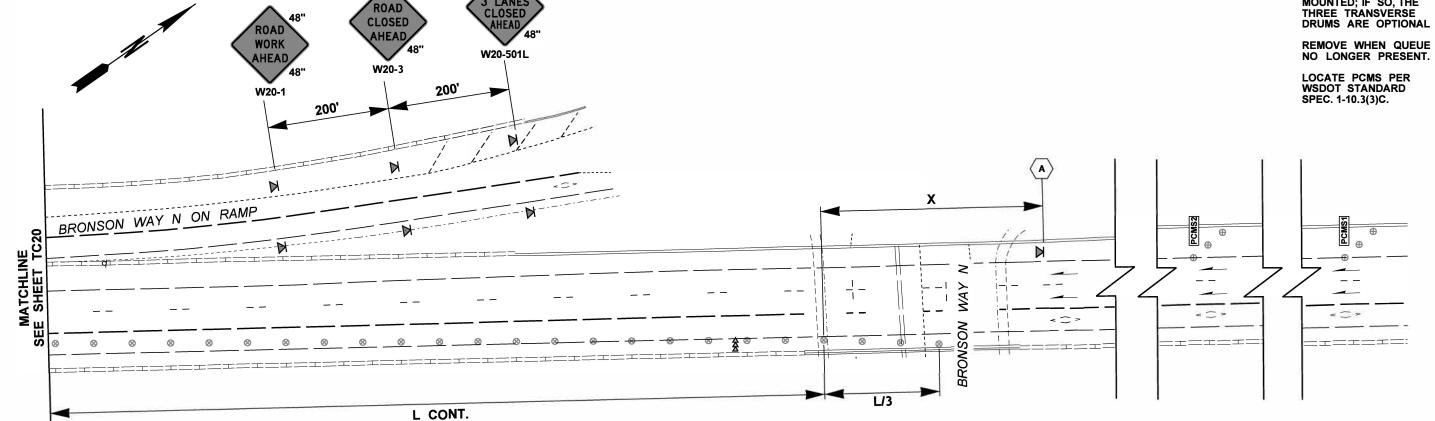
DELAYS

SLOW

TRAFFIC

AHEAD

PCMS MAY BE TRUCK MOUNTED; IF SO, THE THREE TRANSVERSE DRUMS ARE OPTIONAL



NOTES

1. SEE SHEET TC1 FOR TABLES, LEGENDS, AND GENERAL NOTES.

2. THIS PLAN SHALL BE USED IN CONJUNCTION WITH DU1.

I-405 SOUTHBOUND FULL CLOSURE

NOT TO SCALE



TRANSPORTABLE ATTENUATOR

TEMPORARY SIGN LOCATION

TRAFFIC SAFETY DRUM (SEE SPECIAL PROVISIONS)

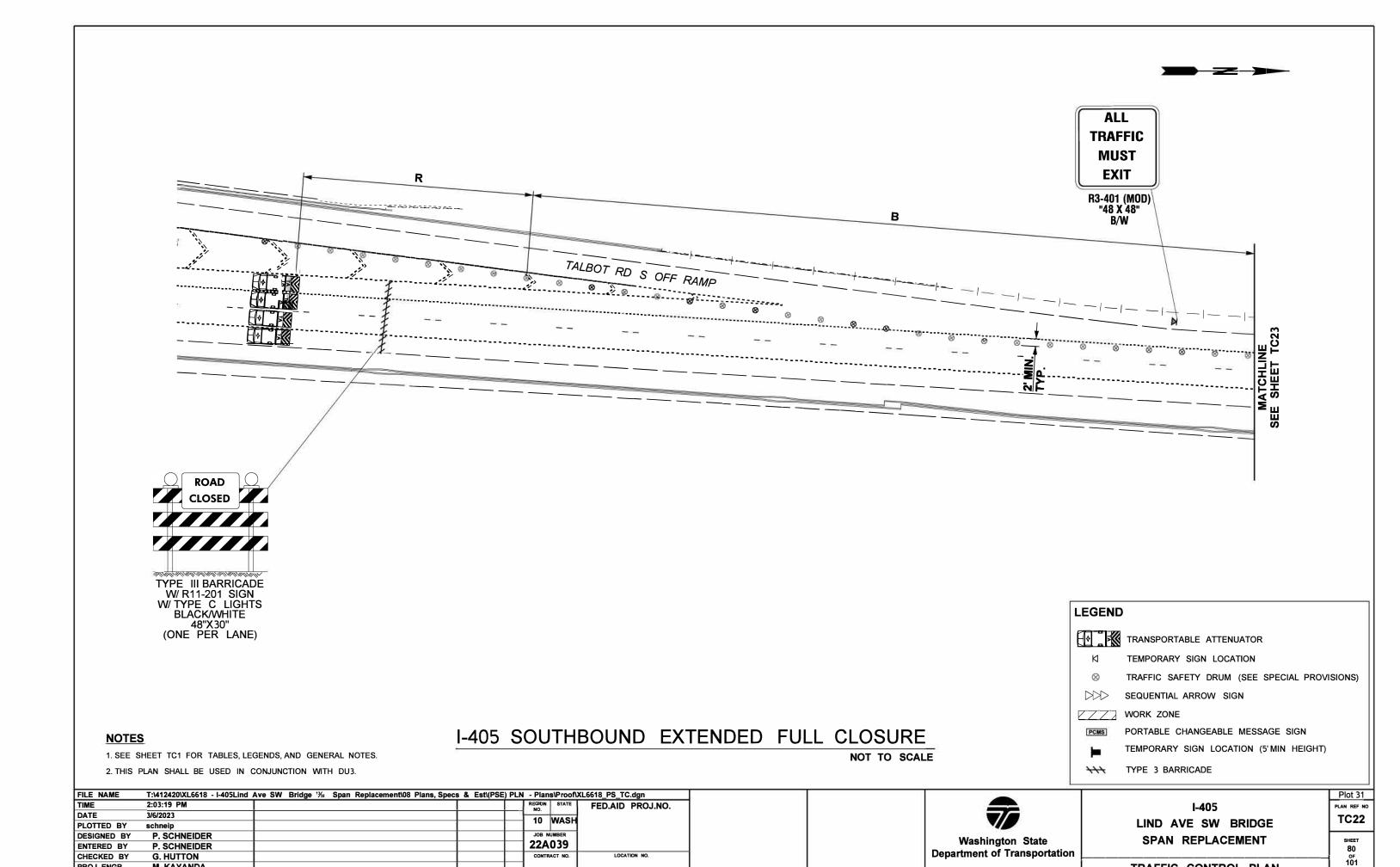
SEQUENTIAL ARROW SIGN

WORK ZONE

PORTABLE CHANGEABLE MESSAGE SIGN

TEMPORARY SIGN LOCATION (5'MIN HEIGHT)

FILE NAME	1:14124201AL0010 - 1-403LIIIU	Ave Sw Bridge 752 Span Replacemention Flans, Spec	S & ESU(FSE	E) PLN	- Plans(Proof)	AL0010_F3_1C.ugii					PIOL 20_	
TIME	1:56:31 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF NO	٦
DATE	3/6/2023				10 WASH						TC21	
PLOTTED BY	schneip				10 WASH				*4	LIND AVE SW BRIDGE	1021	
DESIGNED BY	P. SCHNEIDER				22A039				Washington State	SPAN REPLACEMENT	SHEET	٦
ENTERED BY	P. SCHNEIDER				22AU39					SI AN INCI LAGLINILINI	79	
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.			Department of Transportation		OF	- 1
PROJ. ENGR.	M. KAYANDA						DATE	DATE	1	TRAFFIC CONTROL PLAN	101 SHEETS	
REGIONAL ADM.	. B. NIELSEN	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX			1 5.122.10	- 1



DATE

BY

DATE

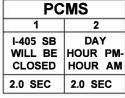
REVISION

TRAFFIC CONTROL PLAN

PROJ. ENGR.

REGIONAL ADM. B. NIELSEN

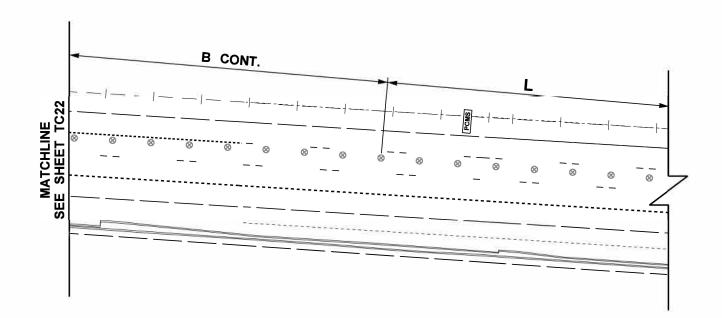
M. KAYANDA

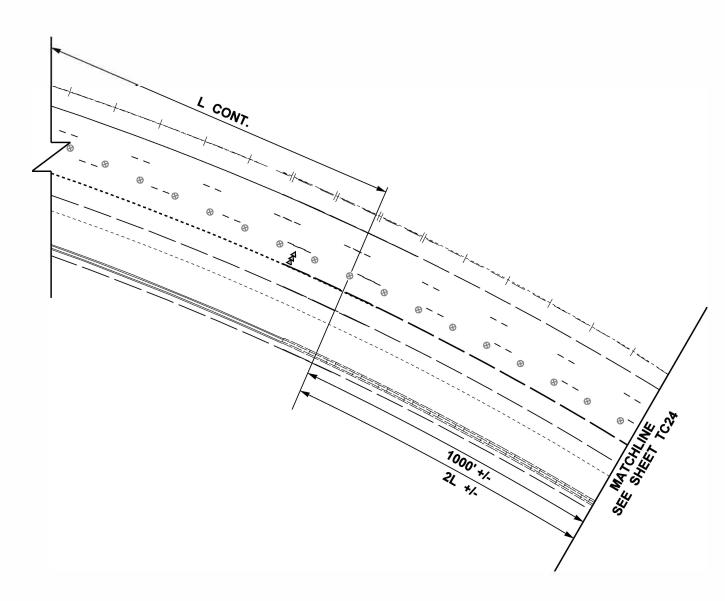


TO BE USED 5 DAYS IN ADVANCE OF CLOSURE

PC	MS
1	2
I-405 SB	TRAFFIC
CLOSED	MUST
	EXIT
2.0 SEC	2.0 SEC

TO BE USED DURING CLOSURE





TRANSPORTABLE ATTENUATOR KI TEMPORARY SIGN LOCATION TRAFFIC SAFETY DRUM (SEE SPECIAL PROVISIONS) SEQUENTIAL ARROW SIGN WORK ZONE PCMS PORTABLE CHANGEABLE MESSAGE SIGN TEMPORARY SIGN LOCATION (5'MIN HEIGHT) TYPE 3 BARRICADE

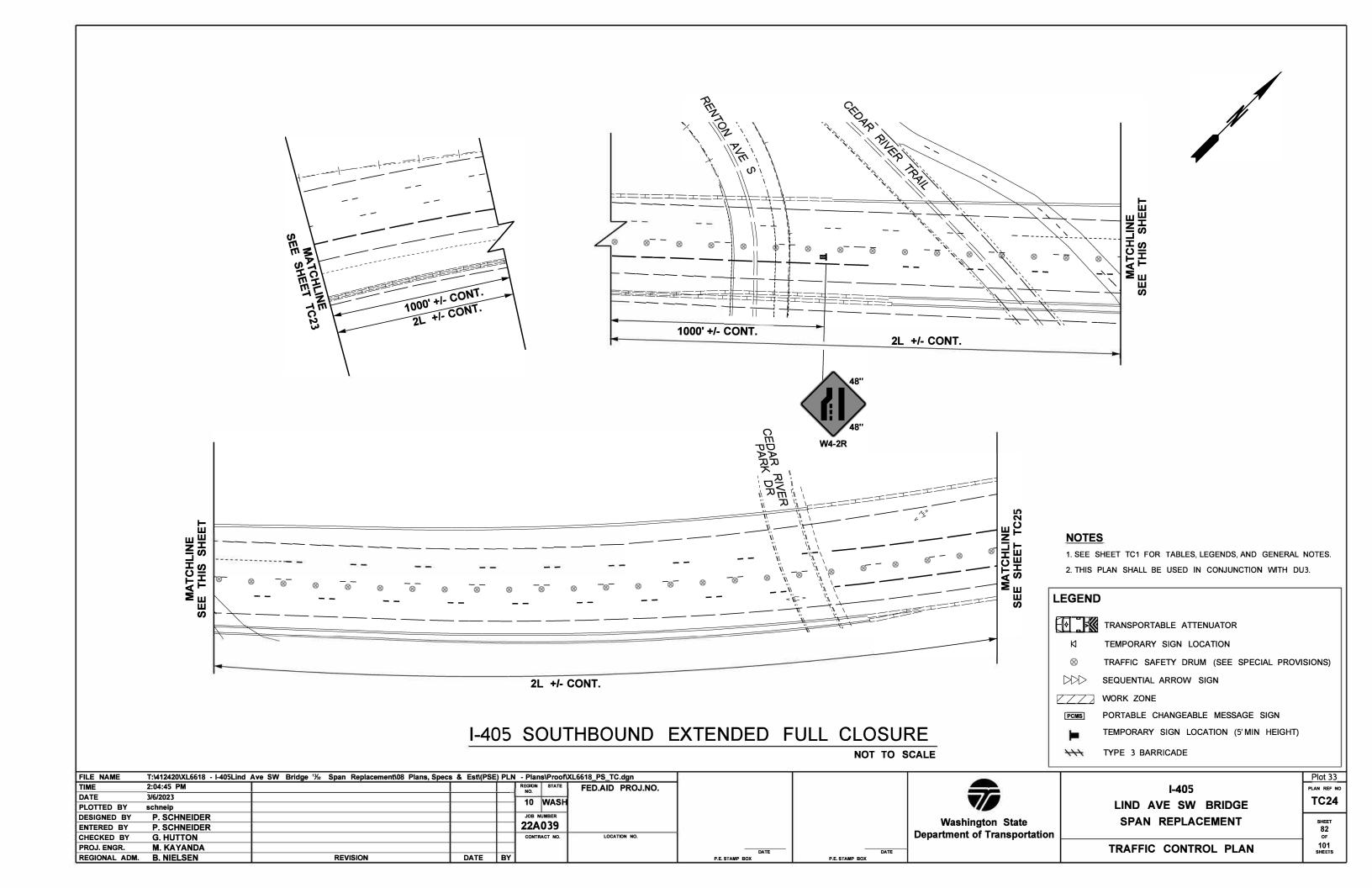
I-405 SOUTHBOUND EXTENDED FULL CLOSURE

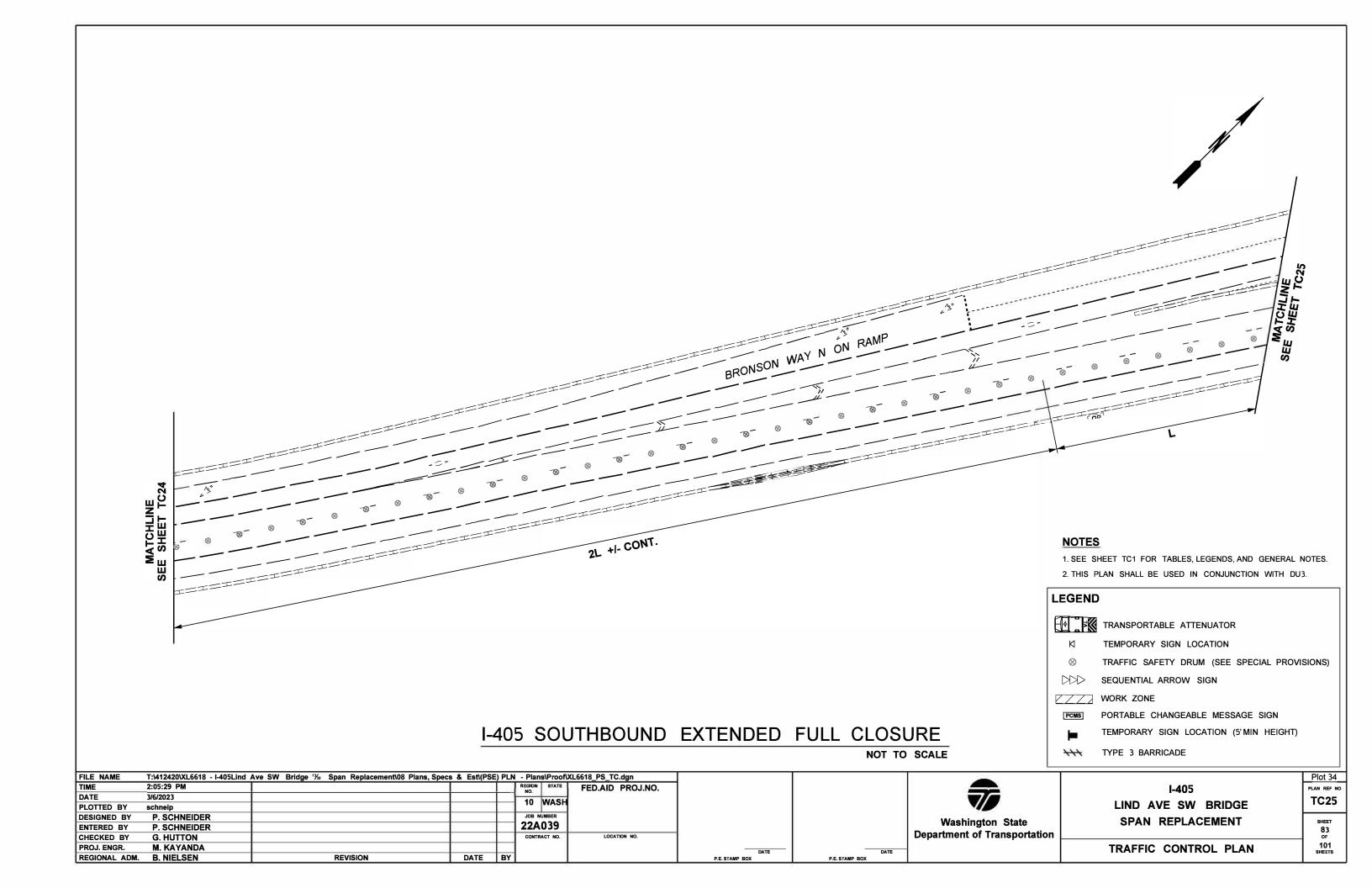
NOT TO SCALE

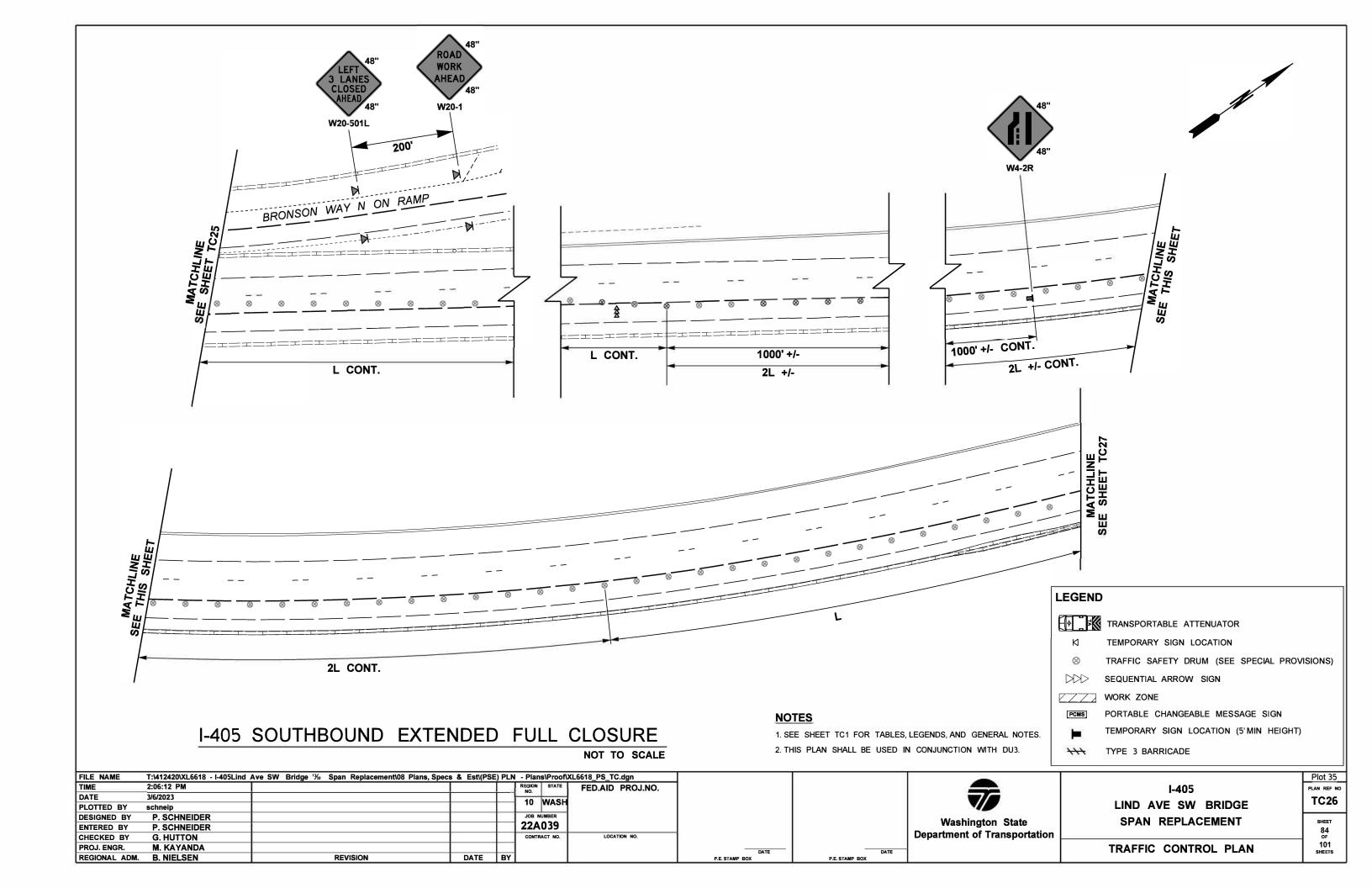
NOTES

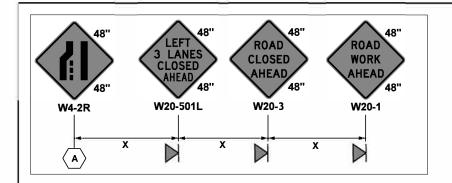
- 1. SEE SHEET TC1 FOR TABLES, LEGENDS, AND GENERAL NOTES.
- 2. THIS PLAN SHALL BE USED IN CONJUNCTION WITH DU3.

FILE NAME	T:\412420\XL6618 - I-405Lind	Ave SW Bridge 1/32 Span Replacement\08 Plans, Spec	s & Est\(PS	E) PLN	N - Plans\Proo	NXL6618_PS_TC.dgn					Plot
TIME	2:04:01 PM				REGION STATE	FED.AID PROJ.NO.	Ī			I-405	PLAN RI
DATE	3/6/2023				10 WAS	1					TC2
PLOTTED BY	schneip				10 WASI]			*4	LIND AVE SW BRIDGE	102
DESIGNED BY	P. SCHNEIDER				JOB NUMBER	1			Washington State	SPAN REPLACEMENT	SHEE
ENTERED BY	P. SCHNEIDER		ľ		22A039				, 3		81
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.	T.		Department of Transportation		OF 404
PROJ. ENGR.	M. KAYANDA						DATE	DATE		TRAFFIC CONTROL PLAN	101 SHEET
DECIONAL ADM	D NIELCEN	PEVISION	DATE	l pv	1						1 0

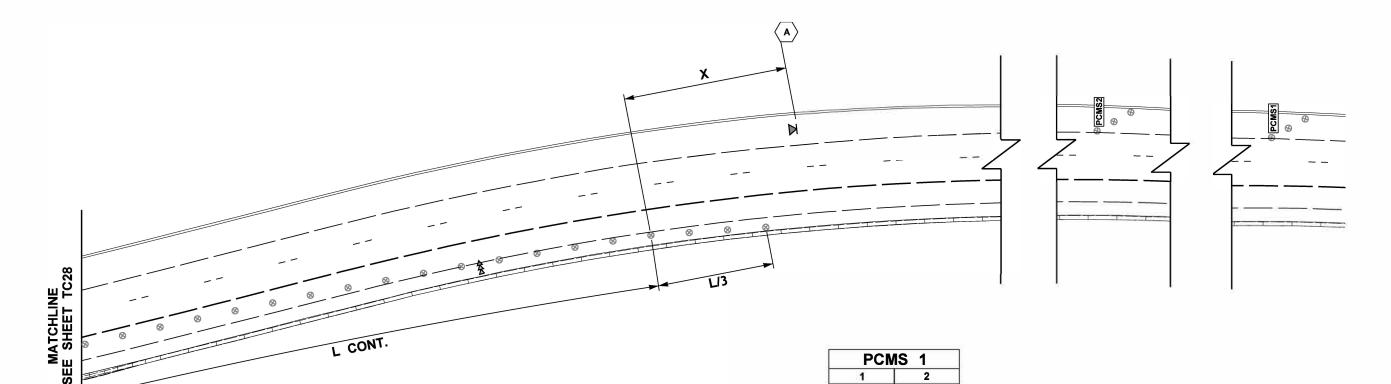












PCN	IS 1
1	2
SLOW	EXPECT
TRAFFIC	DELAYS
AHEAD	
2.0 SEC	2.0 SEC

FIELD LOCATE ½ +/MILES IN ADVANCE OF
PCMS 2.

RELOCATE AS NEEDED TO REMAIN 1 +/- MILE IN ADVANCE OF QUEUE.

PCMS MAY BE TRUCK MOUNTED; IF SO, THE THREE TRANSVERSE DRUMS ARE OPTIONAL

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

DATE

PCMS 2 I-405 SB FOLLOW CLOSED DETOUR AHEAD 2.0 SEC 2.0 SEC

FIELD LOCATE 1/4 +/REMOVE WHEN QUEUE
NO LONGER PRESENT. W20-1 SIGN

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

<u>NOTES</u>

- 1. SEE SHEET TC1 FOR TABLES, LEGENDS, AND GENERAL NOTES.
- 2. THIS PLAN SHALL BE USED IN CONJUNCTION WITH DU3.

LEGEND

TRANSPORTABLE ATTENUATOR

TEMPORARY SIGN LOCATION

 \otimes TRAFFIC SAFETY DRUM (SEE SPECIAL PROVISIONS)

> Plot 36 PLAN REF NO **TC27**

> > SHEET 85 OF

101 SHEETS

SEQUENTIAL ARROW SIGN

WORK ZONE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TEMPORARY SIGN LOCATION (5'MIN HEIGHT)

+++ TYPE 3 BARRICADE

I-405 SOUTHBOU	JND EXTENDED	FULL CLOSURE
*		NOT TO SCALE

L CONT.

FILE NAME T:\412420\XL6618 - I-405Lind Ave SW Bridge \(\frac{1}{2} \) Span Replacement\(0.8 \) Plans, Specs & Est\(PSE \) PLN - Plans\(Proof\XL6618_PS_TC.dgn \)	
TIME 2:06:53 PM REGION STATE FED.AID PRO	J.NO.
DATE 3/6/2023 10 WASH	
PLOTTED BY schneip	
DESIGNED BY P. SCHNEIDER JOB NUMBER	
ENTERED BY P. SCHNEIDER 22A039	
CHECKED BY G. HUTTON CONTRACT NO. LOCATION NO.	
PROJ. ENGR. M. KAYANDA	
REGIONAL ADM. B. NIELSEN REVISION DATE BY	



	I-405
	LIND AVE SW BRIDGE
State	SPAN REPLACEMENT

TRAFFIC	CONTROL	PLAN

PCN	IS 1	PCN	IS 2
1	2	1	2
SLOW TRAFFIC AHEAD	EXPECT DELAYS	I-405 SB CLOSED AHEAD	FOLL DETO
2.0 SEC	2.0 SEC	2.0 SEC	2.0 S

FIELD LOCATE 1/2 +/-PCMS 2.

FIELD LOCATE 1/4 +/MILE IN ADVANCE OF **W20-1 SIGN**

2

FOLLOW

DETOUR

2.0 SEC

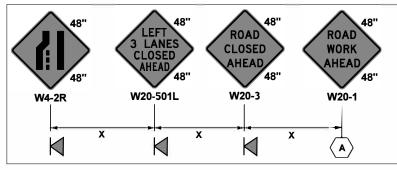
RELOCATE AS NEEDED TO REMAIN 1 +/- MILE IN ADVANCE OF

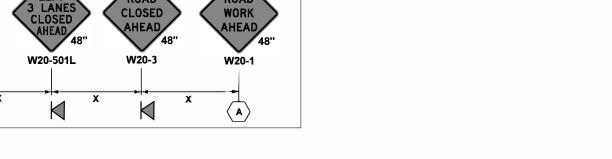
LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

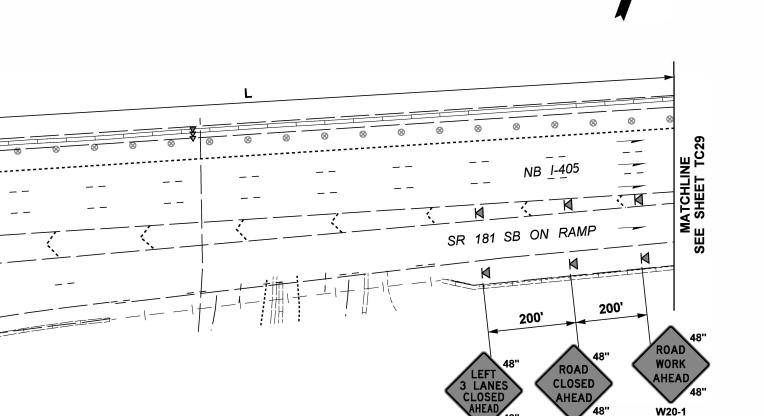
PCMS MAY BE TRUCK MOUNTED; IF SO, THE THREE TRANSVERSE DRUMS ARE OPTIONAL

REMOVE WHEN QUEUE NO LONGER PRESENT.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.







NOTES

- 1. SEE SHEET TC1 FOR TABLES, LEGENDS, AND GENERAL NOTES.
- 2. THIS PLAN SHALL BE USED IN CONJUNCTION WITH DU8.

I-405 NORTHBOUND FULL CLOSURE

NOT TO SCALE

	TRANSPORTABLE ATTENUATOR	
И	TEMPORARY SIGN LOCATION	
\otimes	TRAFFIC SAFETY DRUM (SEE SPECIAL PROVISIONS)	
	SEQUENTIAL ARROW SIGN	
ZZZZ	WORK ZONE	
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN	
-	TEMPORARY SIGN LOCATION (5'MIN HEIGHT)	

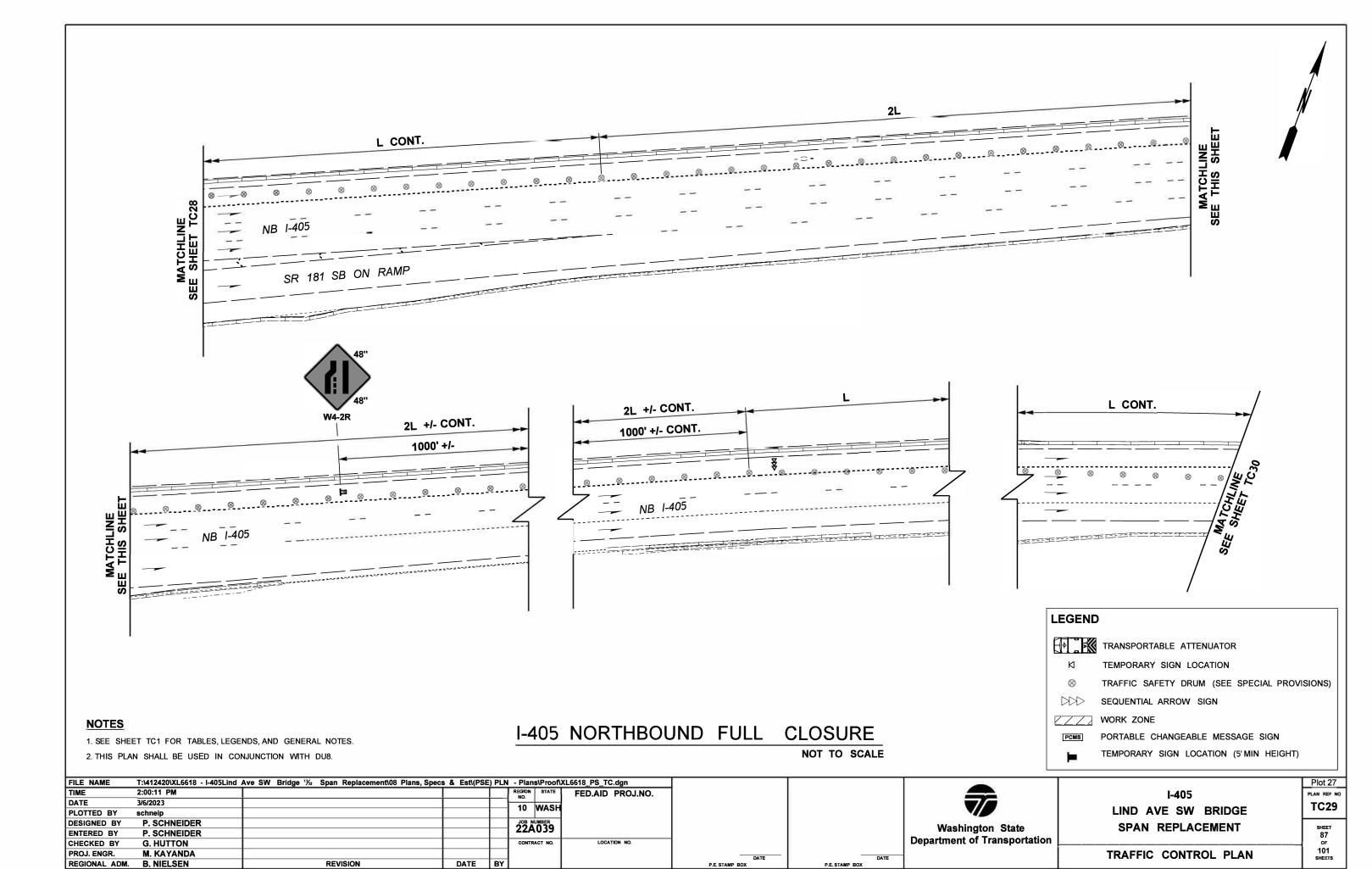
W20-3

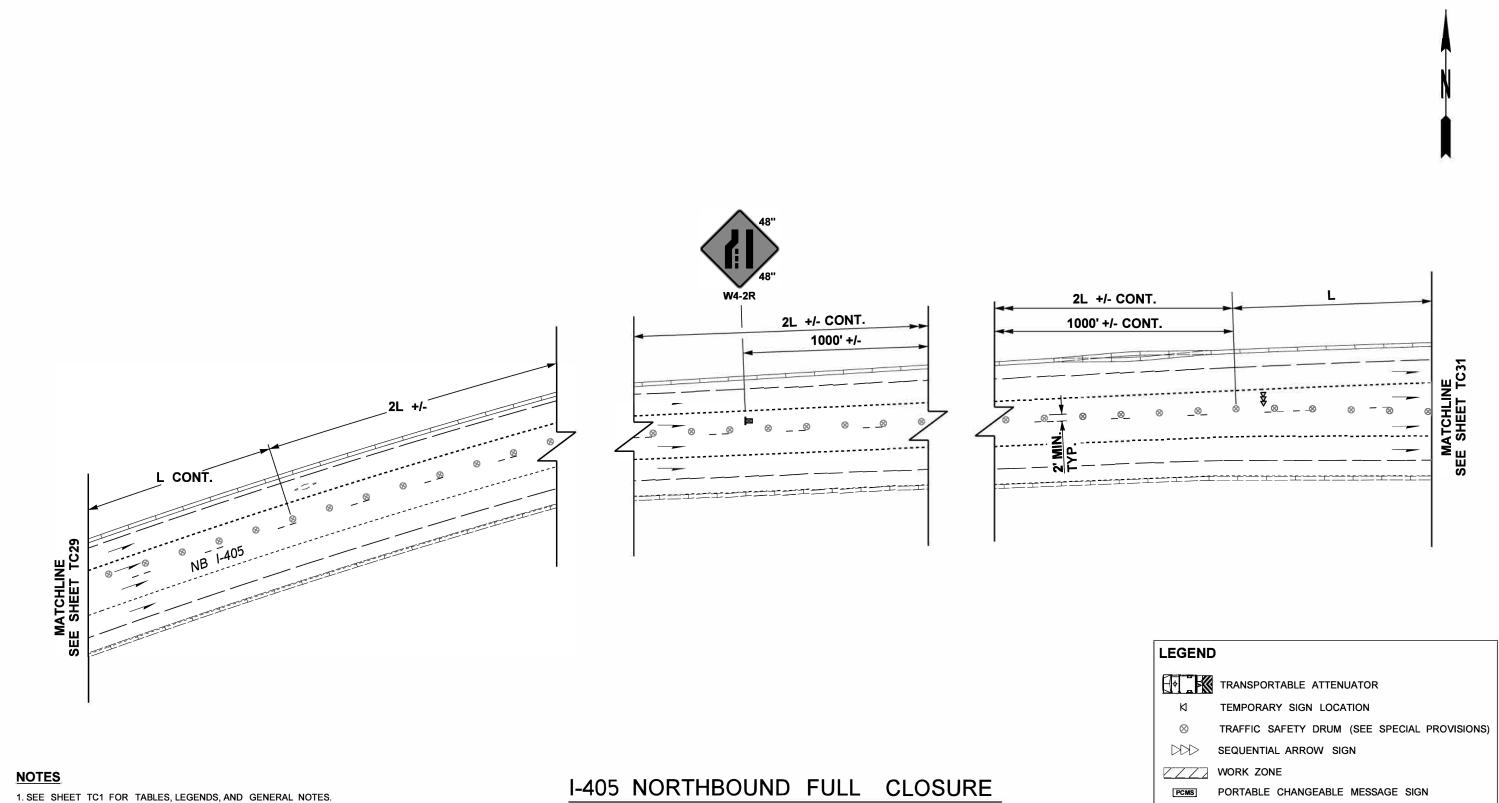
W20-501L

LEGEND

W20-1

FILE NAME	T:\412420\XL6618 - I-405Lind	Ave SW Bridge 1 Span Replacement\08 Plans, Spec	s & Est\(PSE) PLN	- Plans\Proof	NXL6618_PS_TC.dgn					Plot 26
TIME	1:59:30 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF NO
DATE	3/6/2023				10 WASI	1				LIND AVE ON DDIDGE	TC28
PLOTTED BY	schneip				IU WASI	1				LIND AVE SW BRIDGE	1020
DESIGNED BY	P. SCHNEIDER				22A039	1			Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				22AU39				_		86
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.			Department of Transportation		OF
PROJ. ENGR.	M. KAYANDA						DATE	DATE	1	TRAFFIC CONTROL PLAN	101 SHEETS
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX			SILLIO



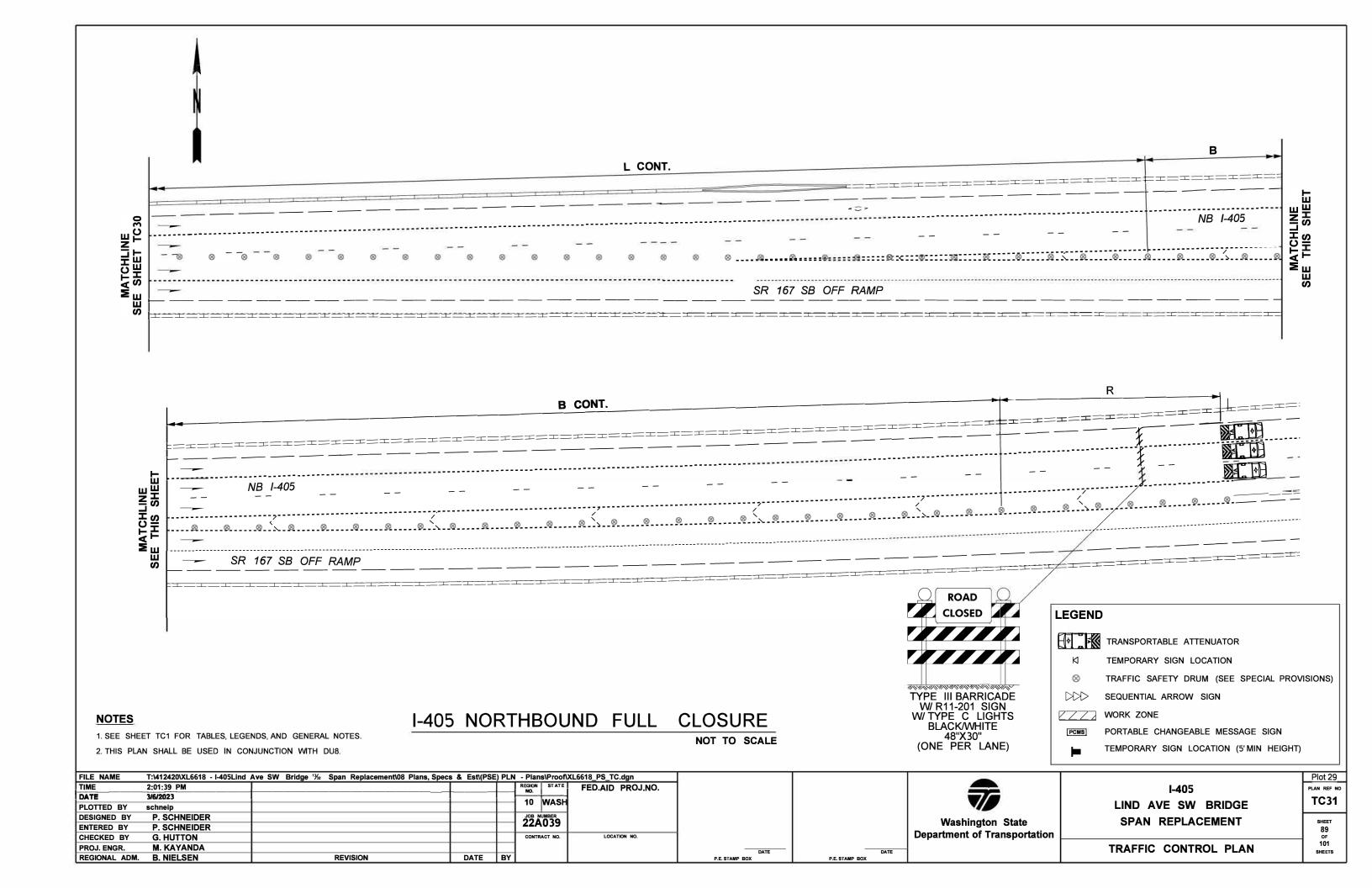


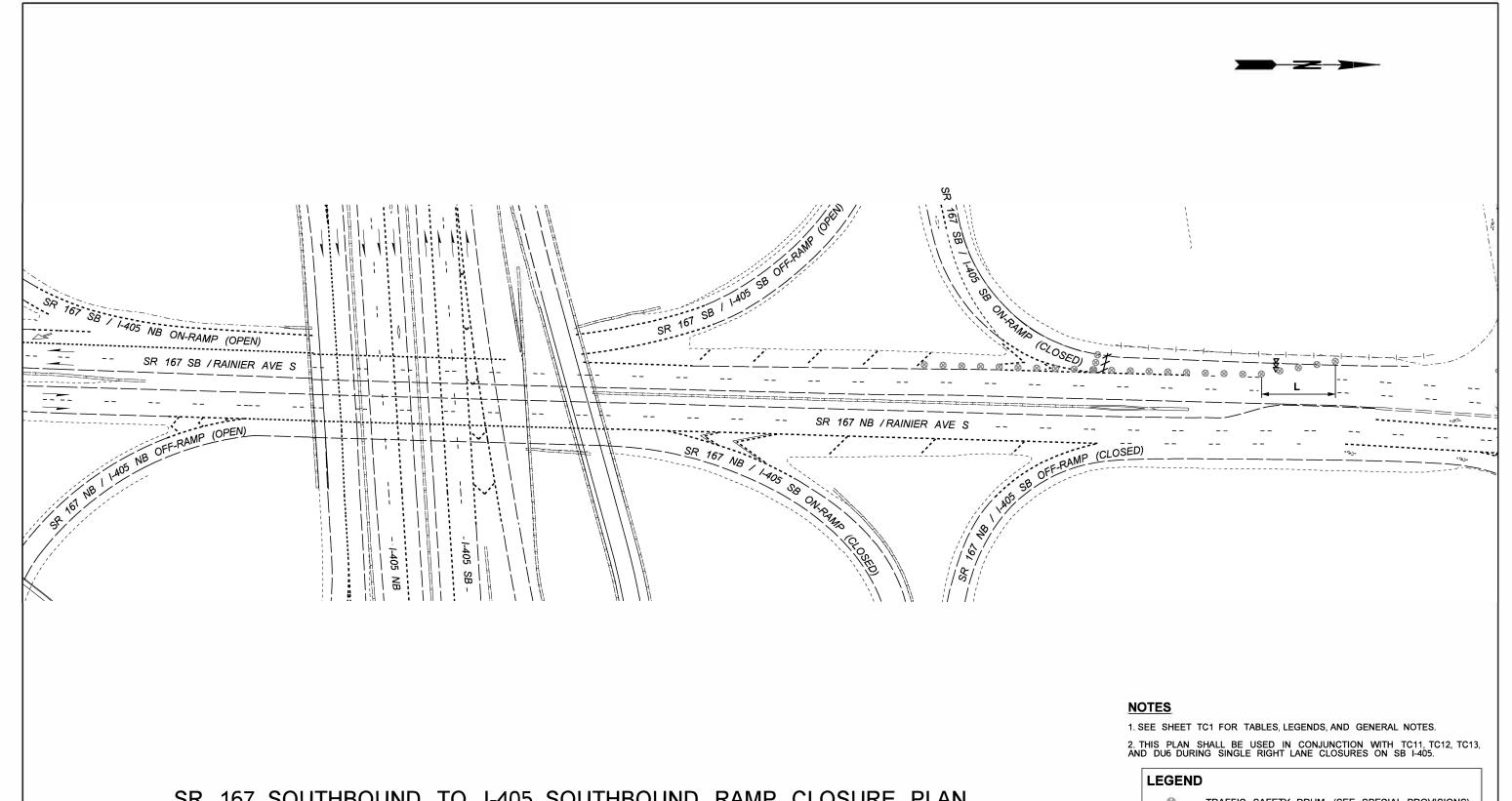
- 2. THIS PLAN SHALL BE USED IN CONJUNCTION WITH DU8.

NOT TO SCALE

LEGENL	
	TRANSPORTABLE ATTENUATOR
И	TEMPORARY SIGN LOCATION
\otimes	TRAFFIC SAFETY DRUM (SEE SPECIAL PROVISIONS)
	SEQUENTIAL ARROW SIGN
7777	WORK ZONE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
Ħ	TEMPORARY SIGN LOCATION (5'MIN HEIGHT)

FILE NAME	T:\412420\XL6618 - I-405Lind	Ave SW Bridge 1/32 Span Replacement\08 Plans, Specs	& Est\(PS	E) PLN	- Plans\Proof	XL6618_PS_TC.dgn					Plot 28
TIME	2:00:56 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF NO
DATE	3/6/2023				10 WASH						TC30
PLOTTED BY	schneip				10 11731]			*/	LIND AVE SW BRIDGE	1050
DESIGNED BY	P. SCHNEIDER				22A039				Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				ZZAUJS						88
CHECKED BY	G. HUTTON			li j	CONTRACT NO.	LOCATION NO.	Ī		Department of Transportation		OF
PROJ. ENGR.	M. KAYANDA						DATE	DATE	4	TRAFFIC CONTROL PLAN	101 SHEETS
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX			J SHEETS





SR 167 SOUTHBOUND TO I-405 SOUTHBOUND RAMP CLOSURE PLAN

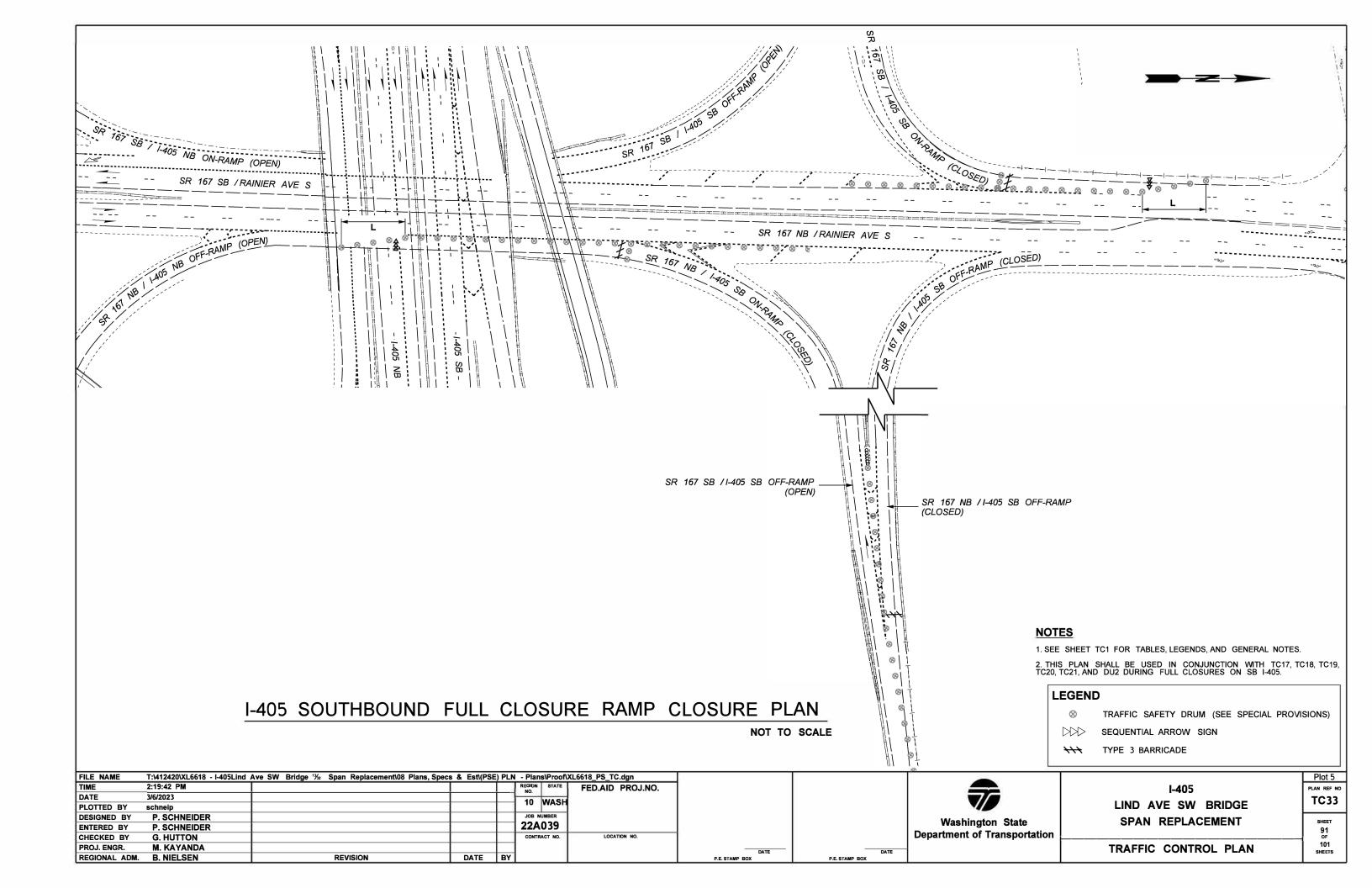
NOT TO SCALE

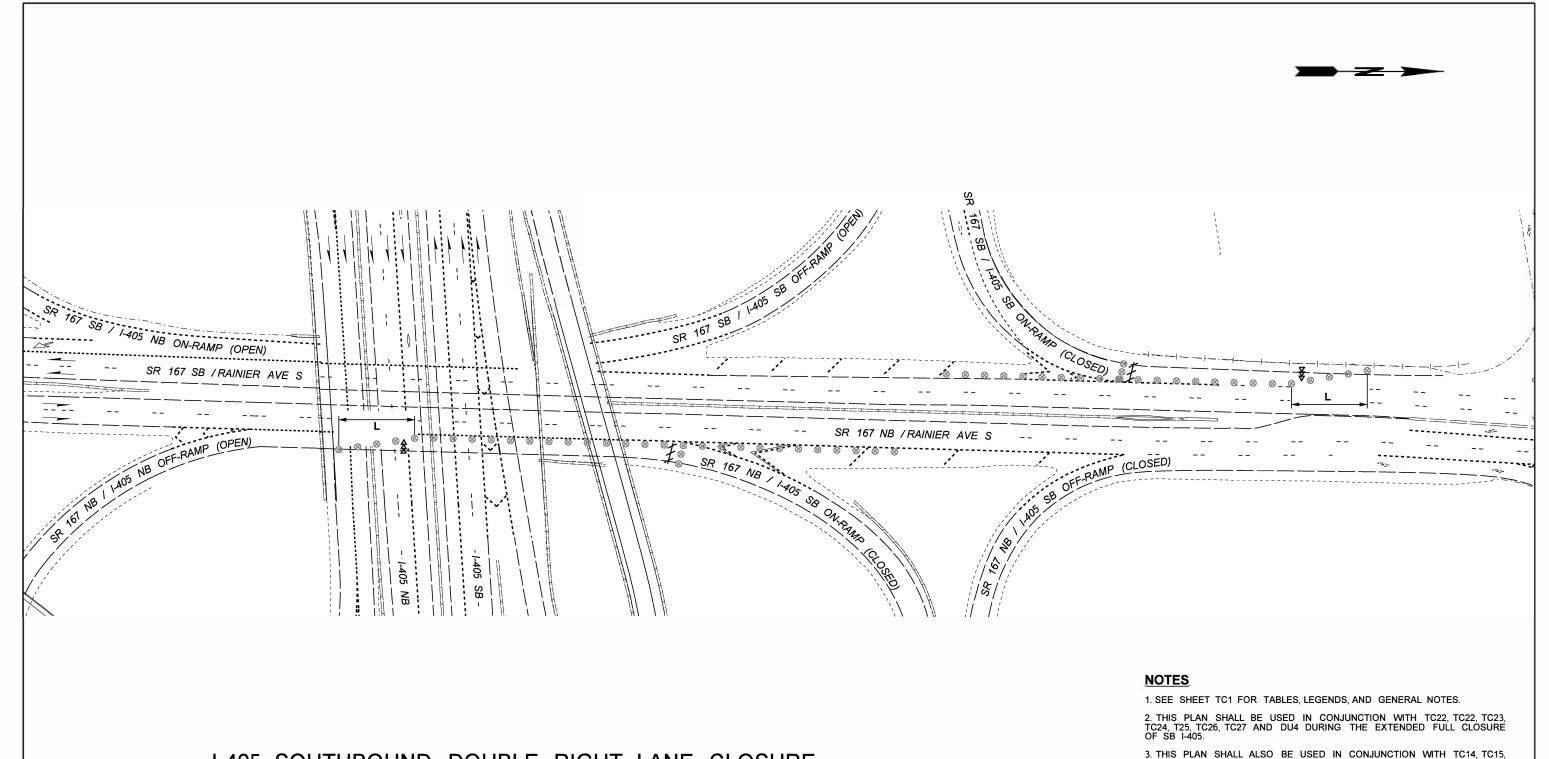
TRAFFIC SAFETY DRUM (SEE SPECIAL PROVISIONS)

SEQUENTIAL ARROW SIGN

TYPE 3 BARRICADE

FILE NAME	T:\412420\XL6618 - I-405Lind	Ave SW Bridge 1 Span Replacement 108 Plans, Spec	s & Est\(PSI	E) PLN	I - Plans\Proof	XL6618_PS_TC.dgn					Plot 4
TIME	2:20:27 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF NO
DATE	3/6/2023			5	10 WASH	1			T/		TC32
PLOTTED BY	schneip		j		IU WASI					LIND AVE SW BRIDGE	1032
DESIGNED BY	P. SCHNEIDER				22A039	1			Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				22AU39						90
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.			Department of Transportation		OF
PROJ. ENGR.	M. KAYANDA			T	Ī		DATE	DATE		TRAFFIC CONTROL PLAN	101 SHEETS
REGIONAL ADM	R NIFI SEN	REVISION	DATE	BV	1		DE STAND DOV	DE STAND BOY			"""





I-405 SOUTHBOUND DOUBLE RIGHT LANE CLOSURE AND EXTENDED FULL CLOSURE RAMP CLOSURE PLAN

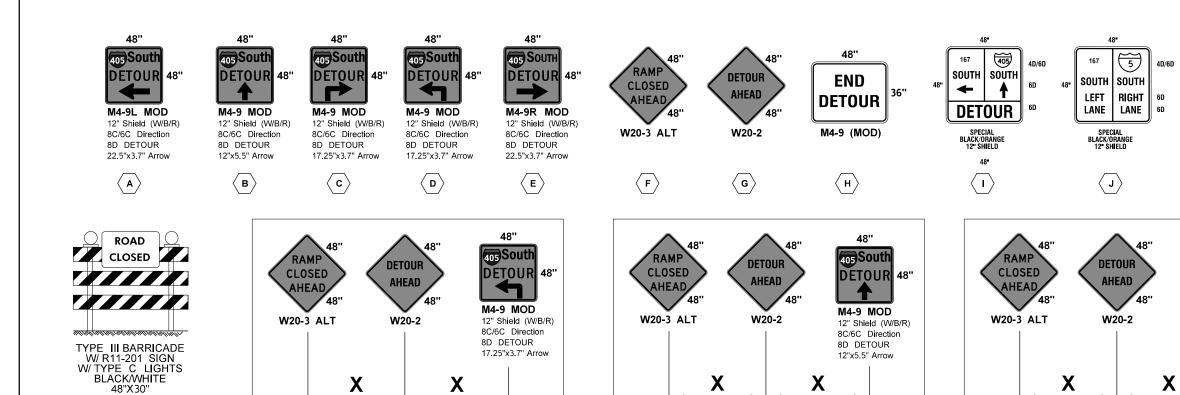
NOT TO SCALE

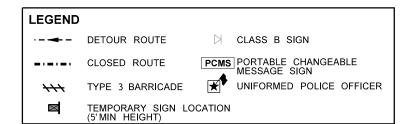
3. THIS PLAN SHALL ALSO BE USED IN CONJUNCTION WITH TC14, TC15, TC16 & DU7 DURING DOUBLE RIGHT LANE CLOSURES OF SB I-405.

LEGEND

- TRAFFIC SAFETY DRUM (SEE SPECIAL PROVISIONS)
- SEQUENTIAL ARROW SIGN
- TYPE 3 BARRICADE

FILE NAME	T:\412420\XL6618 - I-405Lind	Ave SW Bridge 1 Span Replacement 108 Plans, Spec	s & Est\(PSI	E) PLN	I - Plans\Pro	of\XL6618_PS_TC.dgn					Plot 6
TIME	2:18:58 PM				REGION STAT	FED.AID PROJ.NO.				I-405	PLAN REF NO
DATE	3/6/2023		İ		10 WAS	급					TC34
PLOTTED BY	schneip				10 WAS	3				LIND AVE SW BRIDGE	1054
DESIGNED BY	P. SCHNEIDER				JOB NUMBER				Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				22A039						92
CHECKED BY	G. HUTTON		ľ		CONTRACT NO	LOCATION NO.	i e		Department of Transportation		OF
PROJ. ENGR.	M. KAYANDA				1		DATE	DATE	1	TRAFFIC CONTROL PLAN	101 SHEETS
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY	l		P.E. STAMP BOX	P.E. STAMP BOX		112111111111111111111111111111111111111	J SHEETS





 $\langle \mathsf{L} \rangle$

GENERAL NOTES:

 $\langle M \rangle$

1. CALL CITY OF RENTON TRAFFIC SIGNAL TECHNICIAN - PHONE NUMBER (425-766-8858) FOR ANY TRAFFIC SIGNAL ISSUES RELATED TO THE CITY OF RENTON TRAFFIC SIGNALS.

 $\langle N \rangle$

2. THREE UNIFORMED POLICE OFFICERS WILL BE PLACED AT THE INTERSECTION. TWO OFFICERS TO DIRECT TRAFFIC AT A TIME, WITH A THIRD FOR RELIEF.

DETOUR ROUTE SIGNING DETAILS

NTS

KEEP

K

LEFT

R4-8B (B/W)

 $\langle \mathbf{K} \rangle$

405 South

M4-9 MOD

8D DETOUR

 $\langle \mathsf{o} \rangle$

12" Shield (W/B/R)

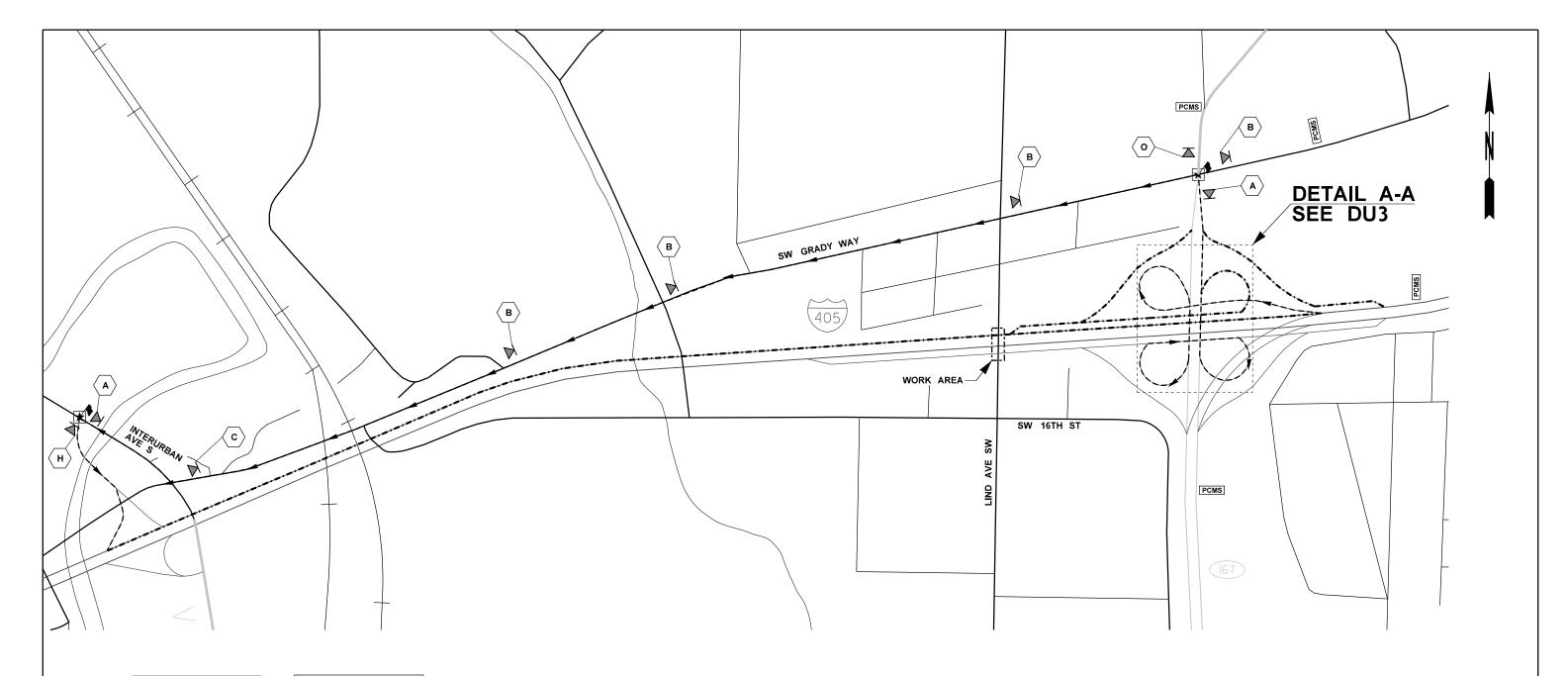
8C/6C Direction

17.25"x3.7" Arrow

DETOUR 48"

48"

FILE NAME	T:\412420\XL6618 - I-405LInd	Ave SW Bridge 13/32 Span Replacement\08 Plans, Spec	s & Est\(PSI	E) PLN	N - Plans∖Proof	XL6618_PS_DU.dgn					Plot 4
TIME	2:33:10 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF NO
DATE	3/29/2023				10 WASH	1					DU1
PLOTTED BY	schneip				10 WASI]				LIND AVE SW BRIDGE	501
DESIGNED BY	P. SCHNEIDER				22A039				Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				22AU39				3		93
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.			Department of Transportation		OF .
PROJ. ENGR.	M. KAYANDA						DATE	DATE		DETOUR PLAN	101 SHEETS
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX			3112213



PCMS											
1	2										
405 SOUTH	XX/XX/XX										
WILL BE	X:XXPM										
CLOSED	TO X:XXAM										
2.0 SEC	2.0 SEC										

FIELD LOCATE NEAR TO ROAD CLOSURE FOR 7 DAYS MINIMUM.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

PC	MS				
1	2				
405 SOUTH	FOLLOW				
CLOSED	DETOUR				
AHEAD					
2.0 SEC	2.0 SEC				

FIELD LOCATE 2.0 +/-MILES PRIOR TO ROAD CLOSURE.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

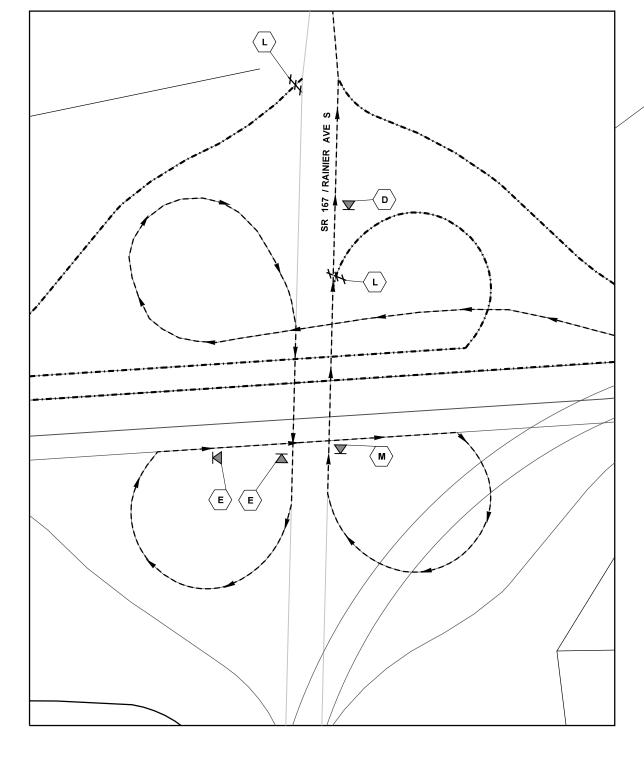
NOTES:

- 1. SEE SHEET DU1 FOR ADDITIONAL SIGNING DETAILS AND GENERAL NOTES.
- 2. SEE SHEET TC33 FOR ADDITIONAL RAMP CLOSURE DETAILS.

I-405 SOUTHBOUND FULL CLOSURE DETOUR ROUTE

LEGEND DETOUR ROUTE CLASS B SIGN PCMS PORTABLE CHANGEABLE MESSAGE SIGN ---- CLOSED ROUTE NTS UNIFORMED POLICE OFFICER TYPE 3 BARRICADE

FILE NAME	1:\41242U\XL6618 - I-4U5LING	Ave SW Bridge 732 Span Replacement(08 Plans, Spec	S & ESTI(PSE	E) PLN	i - Pians\Prooi	NXL6618_PS_DU.agn					PIOLI	
TIME	2:33:09 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF NO	٦
DATE	3/29/2023				10 WASH						DU2	
PLOTTED BY	schneip				IU WASI					LIND AVE SW BRIDGE	502	
DESIGNED BY	P. SCHNEIDER				22A039				Washington State	SPAN REPLACEMENT	SHEET	٦
ENTERED BY	P. SCHNEIDER				22AU39				_		94	
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.			Department of Transportation		OF	
PROJ. ENGR.	M. KAYANDA						DATE	DATE	-	DETOUR PLAN	101 SHEETS	
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY	1		P.E. STAMP BOX	P.E. STAMP BOX			SHEETS	



DETAIL A-A

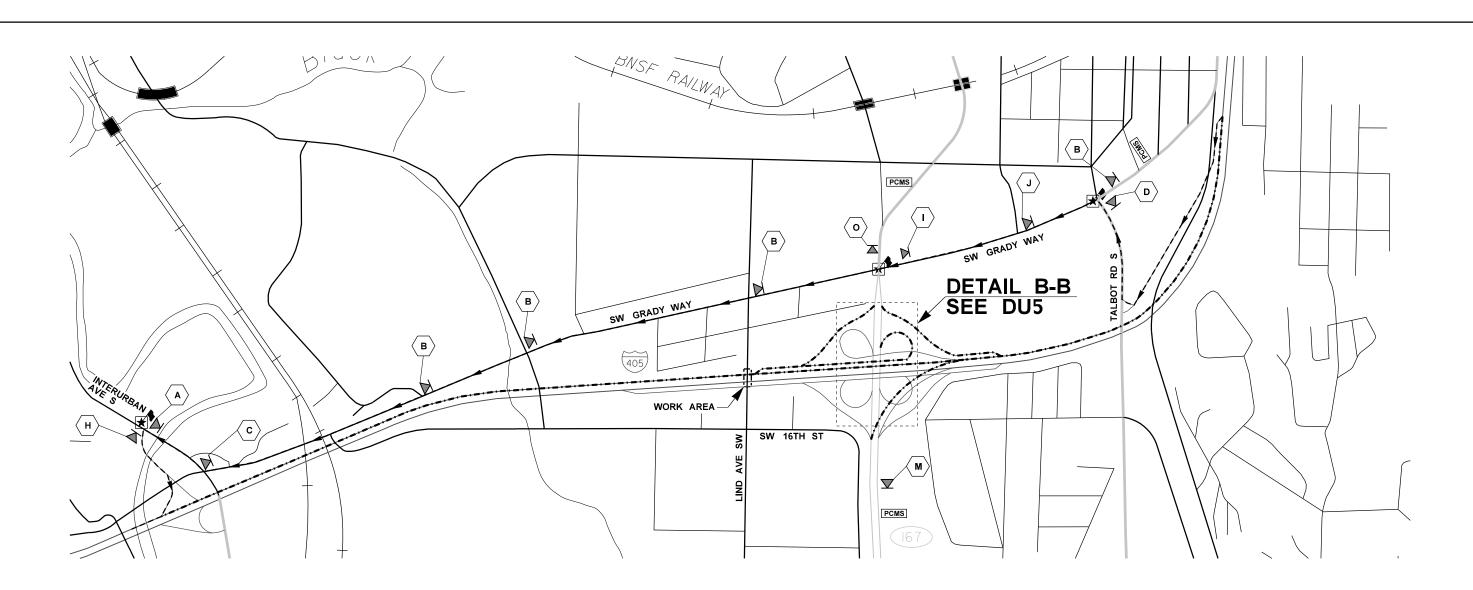


SEE SHEET DU1 FOR ADDITIONAL SIGNING DETAILS AND GENERAL NOTES.
 SEE SHEET TC33 FOR ADDITIONAL RAMP CLOSURE DETAILS.

I-405 SOUTHBOUND FULL CLOSURE DETOUR ROUTE NTS

LEGEND		
	DETOUR ROUTE	CLASS B SIGN
	CLOSED ROUTE	PCMS PORTABLE CHANGEABLE MESSAGE SIGN
+++	TYPE 3 BARRICADE	UNIFORMED POLICE OFFICER

FILE NAME	1:\412420\XL6618 - I-405Lind Ave	e SW Bridge 7/32 Span Replacement\u8 Plans, Specs	8 & ESTI(PSE	=) PLN	- Plans\Proot	\XL6618_PS_DU.agn					PIOT 3	
TIME	2:33:10 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF NO	٦
DATE	3/29/2023				10 WASH						DU3	
PLOTTED BY	schneip				IU WASI					LIND AVE SW BRIDGE		
DESIGNED BY	P. SCHNEIDER				22A039				Washington State	SPAN REPLACEMENT	SHEET	7
ENTERED BY	P. SCHNEIDER				22AU39				3		95	
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.			Department of Transportation		OF	
PROJ. ENGR.	M. KAYANDA						DATE	DATE		DETOUR PLAN	101 SHEETS	
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX			SILETO	



PCMS									
1	2								
SB 405 ON RAMP CLOSED AHEAD	PLEASE FOLLOW DETOUR								
2.0 SEC	2.0 SEC								

FIELD LOCATE 2.0 +/-MILES PRIOR TO RAMP CLOSURE.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

PC	MS
1	2
SB 405 ON RAMP WILL BE CLOSED	XX/XX/XX X:XXPM TO X:XXAM
2.0 SEC	2.0 SEC

FIELD LOCATE NEAR TO ROAD CLOSURE FOR 7 DAYS MINIMUM.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

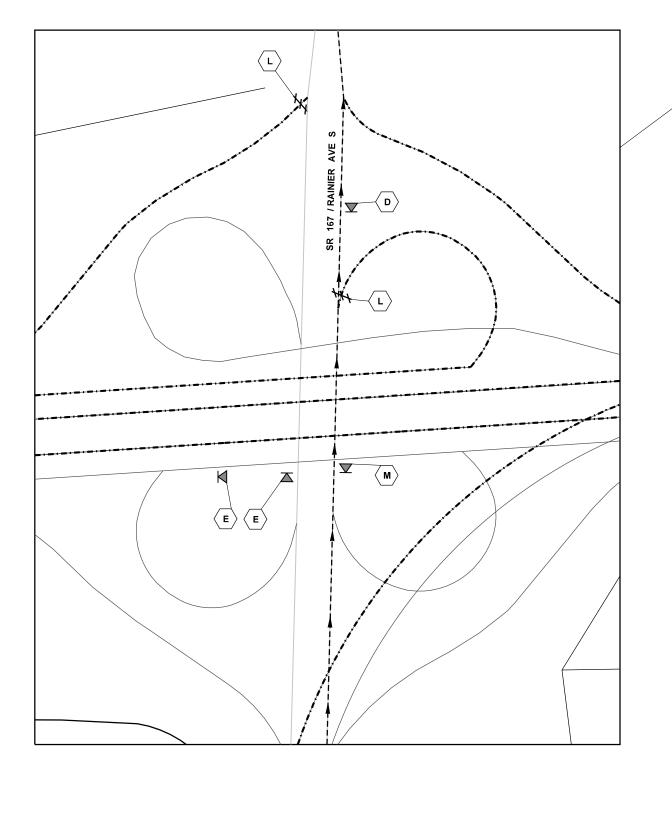
NOTES:

SEE SHEET DU1 FOR ADDITIONAL SIGNING DETAILS AND GENERAL NOTES.
 SEE SHEET TC34 FOR ADDITIONAL RAMP CLOSURE DETAILS.

I-405 SOUTHBOUND EXTENDED FULL CLOSURE DETOUR ROUTE NTS

LEGEND	1	
	DETOUR ROUTE	CLASS B SIGN
	CLOSED ROUTE	PCMS PORTABLE CHANGEABLE MESSAGE SIGN
***	TYPE 3 BARRICADE	UNIFORMED POLICE OFFICER

FILE NAME	T:\412420\XL6618 - I-405LInd	Ave SW Bridge 1/32 Span Replacement\08 Plans, Spec	s & Est\(PSE	E) PLN	N - Plans∖Proof	\XL6618_PS_DU.dgn					Plot 9
TIME	2:33:12 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF NO
DATE	3/29/2023				10 WASH	1			\	1	DU4
PLOTTED BY	schneip				I IU WASI]				LIND AVE SW BRIDGE	
DESIGNED BY	P. SCHNEIDER				22A039				Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				22AU39				3		96
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.			Department of Transportation		OF
PROJ. ENGR.	M. KAYANDA						DATE	DATE		DETOUR PLAN	101 SHEETS
REGIONAL ADM	B NIFLSEN	REVISION	DATE	RY			DE STAMP POY	DE STAMP POY		DE TOOK I LAN	SIIEEIS



DETAIL B-B

NOTES:

1. SEE SHEET DU1 FOR ADDITIONAL SIGNING DETAILS AND GENERAL NOTES. 2. SEE SHEET TC34 FOR ADDITIONAL RAMP CLOSURE DETAILS.

I-405 SOUTHBOUND EXTENDED FULL CLOSURE DETOUR ROUTE NTS

·- - -
+++

LEGEND

DETOUR ROUTE CLOSED ROUTE

CLASS B SIGN PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TYPE 3 BARRICADE

UNIFORMED POLICE OFFICER

FILE NAME	1:\41242U\XL6618 - I-4U5LING	Ave Sw Bridge 7/32 Span Replacement(US Plans, S)	pecs & Esti(PSt	E) PLN	i - Plans\Proof	XL6618_PS_DU.agn					Plot 10
TIME	2:33:14 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF NO
DATE	3/29/2023				10 WASH						DU5
PLOTTED BY	schneip				IU WASI					LIND AVE SW BRIDGE	
DESIGNED BY	P. SCHNEIDER				22A039				Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				22A039				3		97
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.			Department of Transportation		OF
PROJ. ENGR.	M. KAYANDA				1		— DATE	DATE	-	DETOUR PLAN	101 SHEETS
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY	1		P.E. STAMP BOX	P.E. STAMP BOX			STILLIS

PC	MS
1	2
SB 405 ON RAMP WILL BE CLOSED	XX/XX/XX X:XXPM TO X:XXAM
2.0 SEC	2.0 SEC

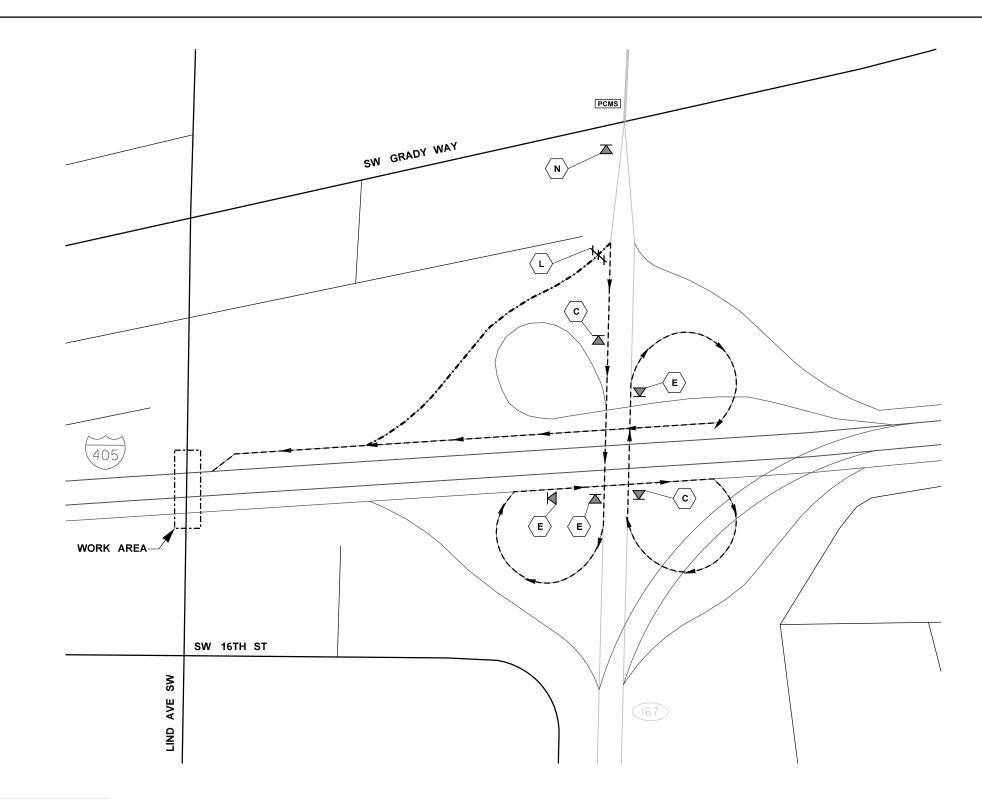
FIELD LOCATE NEAR TO ROAD CLOSURE FOR 7 DAYS MINIMUM.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

PCMS									
1	2								
SB 405 ON RAMP CLOSED AHEAD	PLEASE FOLLOW DETOUR								
2.0 SEC	2.0 SEC								

FIELD LOCATE 2.0 +/-MILES PRIOR TO RAMP CLOSURE.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.



LEGEND

DETOUR ROUTE

CLASS B SIGN

PCMS PORTABLE CHANGEABLE MESSAGE SIGN ---- CLOSED ROUTE UNIFORMED POLICE OFFICER TYPE 3 BARRICADE

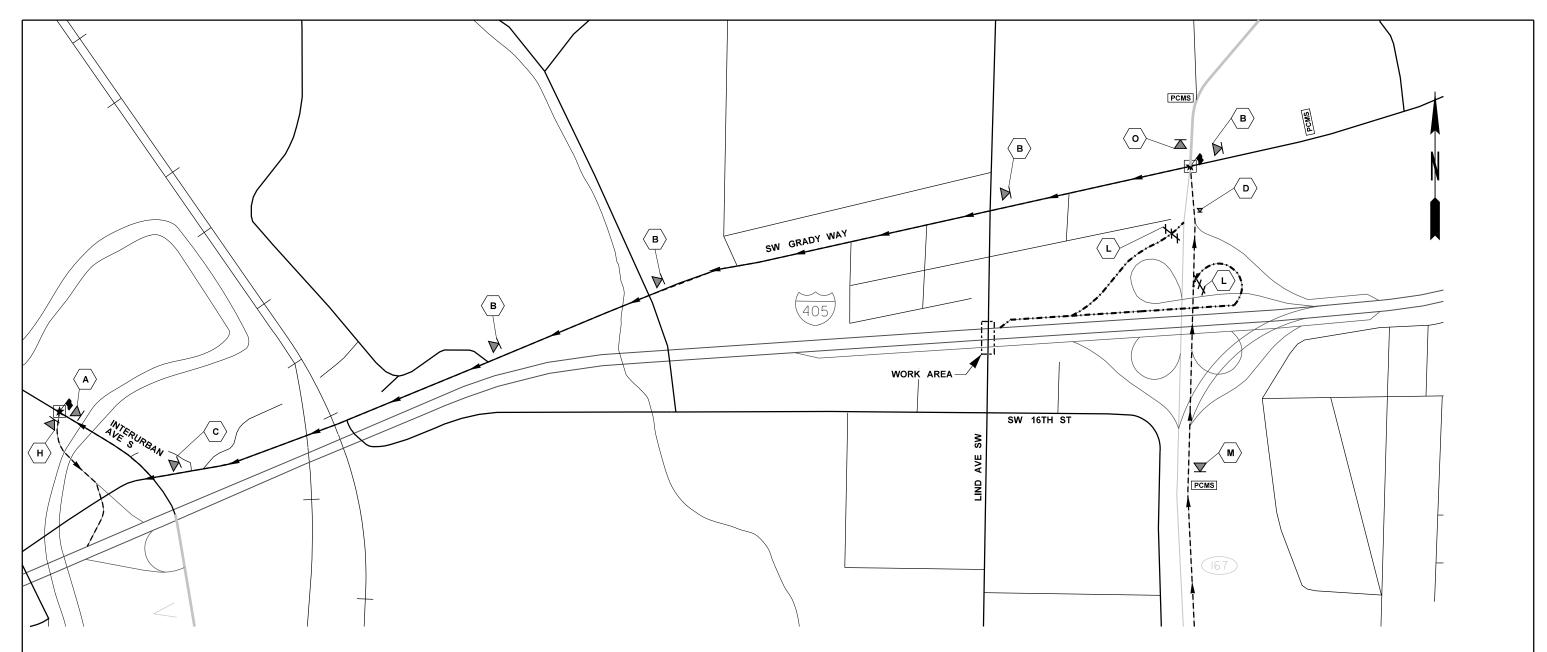
SR 167 SOUTHBOUND TO I-405 SOUTHBOUND ON-RAMP CLOSURE DETOUR ROUTE

NOTES:

NTS

1. SEE SHEET DU1 FOR ADDITIONAL SIGNING DETAILS 2. SEE SHEET TC32 FOR ADDITIONAL RAMP CLOSURE DETAILS.

FILE NAME	T:\412420\XL6618 - I-405LInd .	Ave SW Bridge 13/2 Span Replacement\08 Plans, Spec	s & Est\(PS	E) PLN	N - Plans\Proof\	XL6618_PS_DU.dgn					Plot 2
TIME	2:33:09 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF N
DATE	3/29/2023				10 WASH						DU6
PLOTTED BY	schneip				10 WASH					LIND AVE SW BRIDGE	500
DESIGNED BY	P. SCHNEIDER				22A039				Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				22A039						98
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.			Department of Transportation		OF
PROJ. ENGR.	M. KAYANDA						DATE	DATE	-	DETOUR PLAN	101 SHEETS
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX			SHEETS



PC	MS
1	2
SB 405 ON RAMP CLOSED AHEAD	PLEASE FOLLOW DETOUR
2.0 SEC	2.0 SEC

FIELD LOCATE 2.0 +/-MILES PRIOR TO RAMP CLOSURE.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

PCMS								
1	2							
SB 405	XX/XX/XX							
ON RAMP	X:XXPM							
	TO X:XXAM							
CLOSED								
2.0 SEC	2.0 SEC							

FIELD LOCATE NEAR TO ROAD CLOSURE FOR 7 DAYS MINIMUM.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

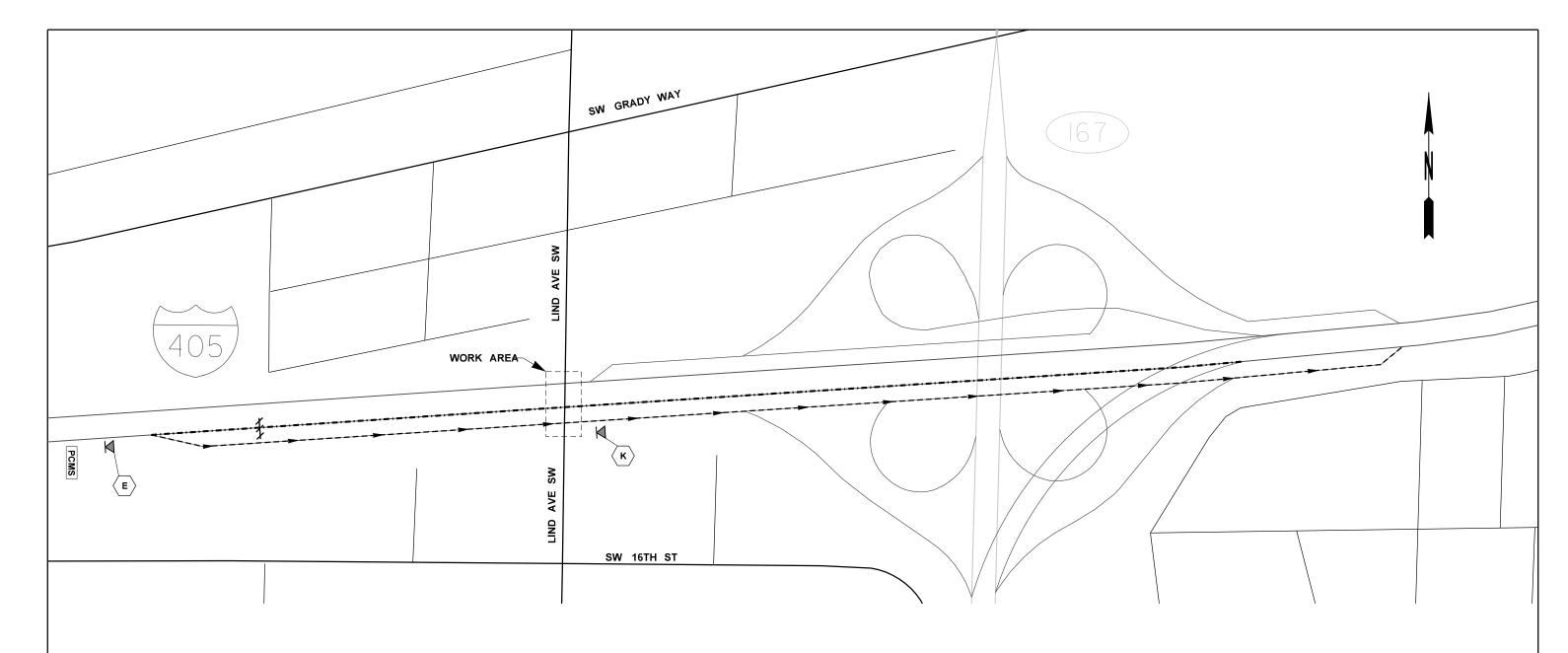
NOTES:

SEE SHEET DU1 FOR ADDITIONAL SIGNING DETAILS AND GENERAL NOTES.
 SEE SHEET TC34 FOR ADDITIONAL RAMP CLOSURE DETAILS.

SR 167 NORTHBOUND AND SOUTHBOUND TO I-405 SOUTHBOUND ON-RAMP CLOSURE DETOUR ROUTE

LEGEND)	
	DETOUR ROUTE	CLASS B SIGN
	CLOSED ROUTE	PCMS PORTABLE CHANGEABLE MESSAGE SIGN
***	TYPE 3 BARRICADE	UNIFORMED POLICE OFFICER

FILE NAME	T:\412420\XL6618 - I-405LInd	Ave SW Bridge 1/32 Span Replacement\08 Plans, Spec	s & Est\(PSI	E) PLN	N - Plans∖Proof	\XL6618_PS_DU.dgn					
TIME	2:33:11 PM				REGION STATE	FED.AID PROJ.NO.	1			I-405	PL
DATE	3/29/2023				10 WASH	1			₹/#		
PLOTTED BY	schneip				10 WASI]				LIND AVE SW BRIDGE	
DESIGNED BY	P. SCHNEIDER				22A039				Washington State	SPAN REPLACEMENT	
ENTERED BY	P. SCHNEIDER				22AU39				J		
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.			Department of Transportation		-
PROJ. ENGR.	M. KAYANDA						DATE	DATE	-	DETOUR PLAN	
REGIONAL ADM	R NIFI SEN	REVISION	DATE	BV			DE STAMP POY	DE STAND DOY			



DOMO								
PCMS								
1	2							
NB 405	XX/XX/XX							
WILL BE	X:XXPM							
CLOSED	TO X:XXAM							
2.0 SEC	2.0 SEC							

FIELD LOCATE NEAR TO ROAD CLOSURE FOR 7 DAYS MINIMUM.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

PCMS							
1	2						
NB 405 CLOSED AHEAD	PLEASE FOLLOW DETOUR						
2.0 SEC	2.0 SEC						

FIELD LOCATE 2.0 +/-MILES PRIOR TO RAMP CLOSURE.

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

NOTES:

1. SEE SHEET DU1 FOR ADDITIONAL SIGNING DETAILS AND GENERAL NOTES.

I-405 NORTHBOUND FULL CLOSURE DETOUR ROUTE NTS

FILE NAME	T:\412420\XL6618 - I-405LInd	Ave SW Bridge 1/32 Span Replacement\08 Plans, Spe	ecs & Est\(PS	E) PLN	- Plans\Proof	\XL6618_PS_DU.dgn					Plot 7
TIME	2:33:11 PM				REGION STATE	FED.AID PROJ.NO.				I-405	PLAN REF NO
DATE	3/29/2023				10 WASH	1				1	DU8
PLOTTED BY	schneip				IU WASI]				LIND AVE SW BRIDGE	
DESIGNED BY	P. SCHNEIDER				22A039				Washington State	SPAN REPLACEMENT	SHEET
ENTERED BY	P. SCHNEIDER				22AU39				J		100
CHECKED BY	G. HUTTON				CONTRACT NO.	LOCATION NO.			Department of Transportation		OF
PROJ. ENGR.	M. KAYANDA						DATE	DATE	_	DETOUR PLAN	101 SHEETS
REGIONAL ADM	M R NIFLSEN	REVISION	DATE	RY			DE STAMP POY	DE STAMP DOY		DETOOK TEAK	SHEETS

